

FIG. 1

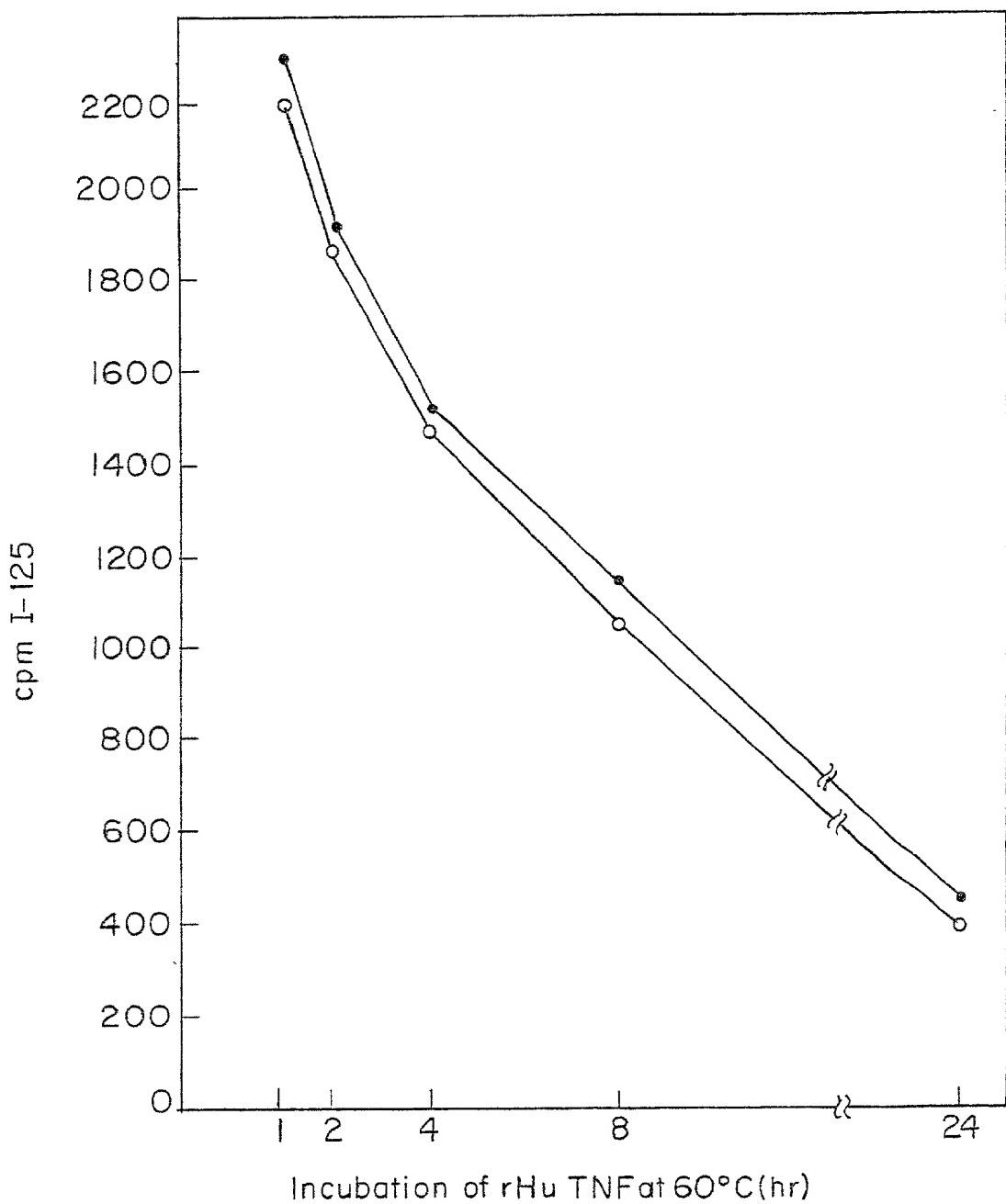


FIG. 2

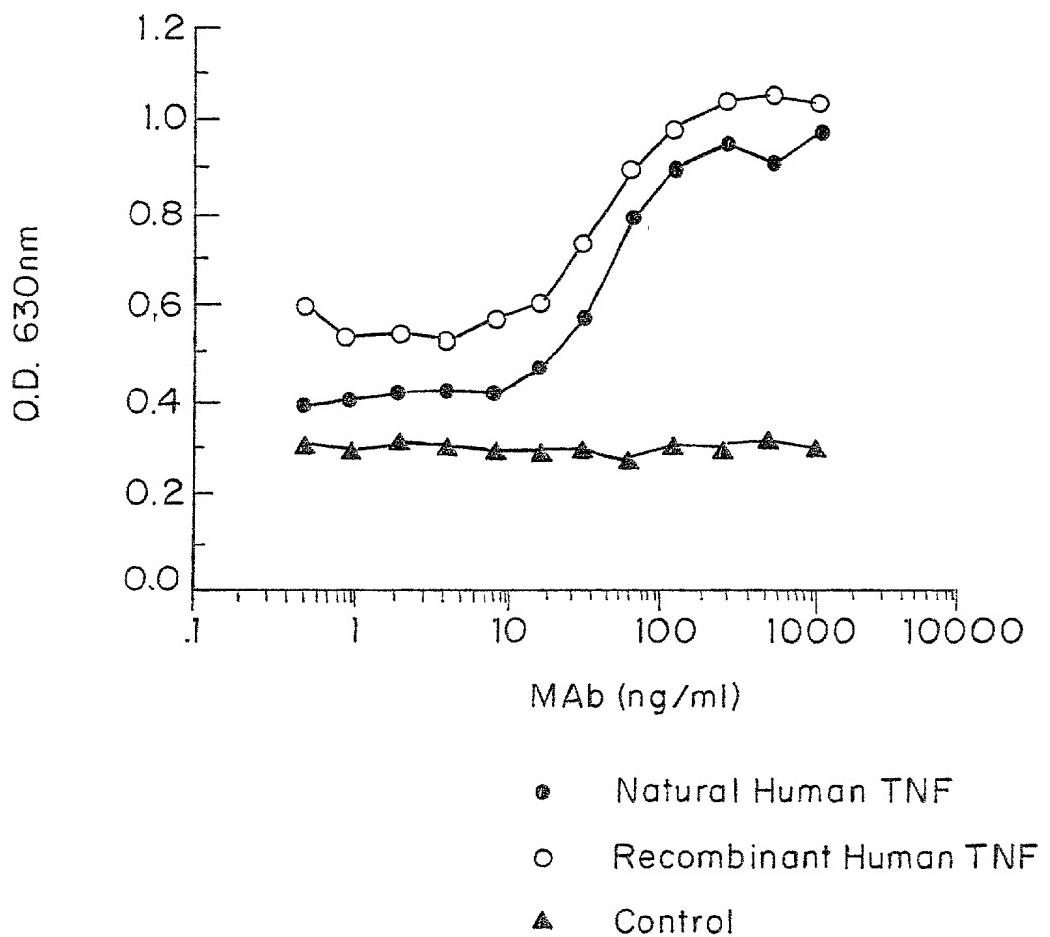


FIG. 3

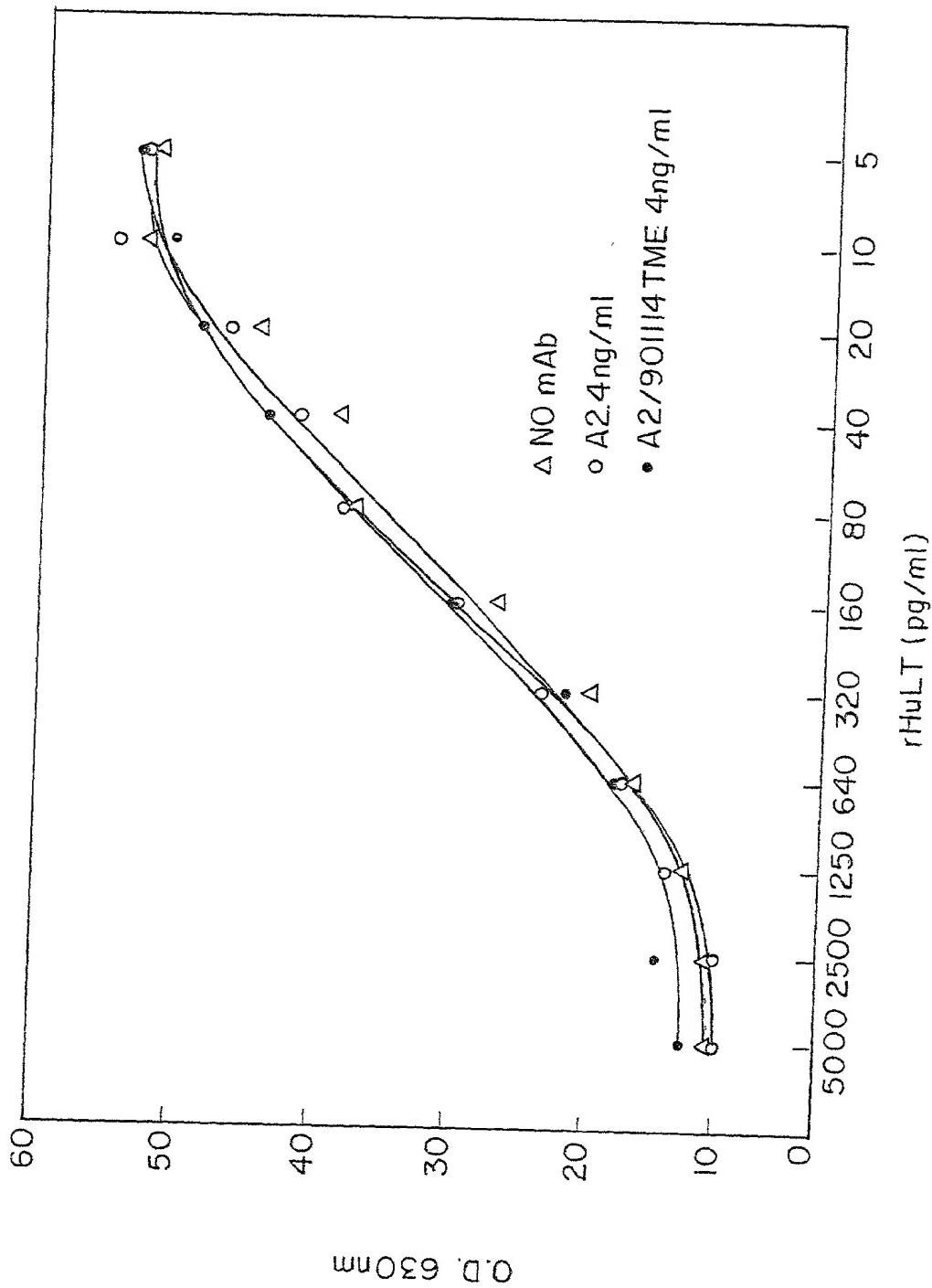


FIG. 4

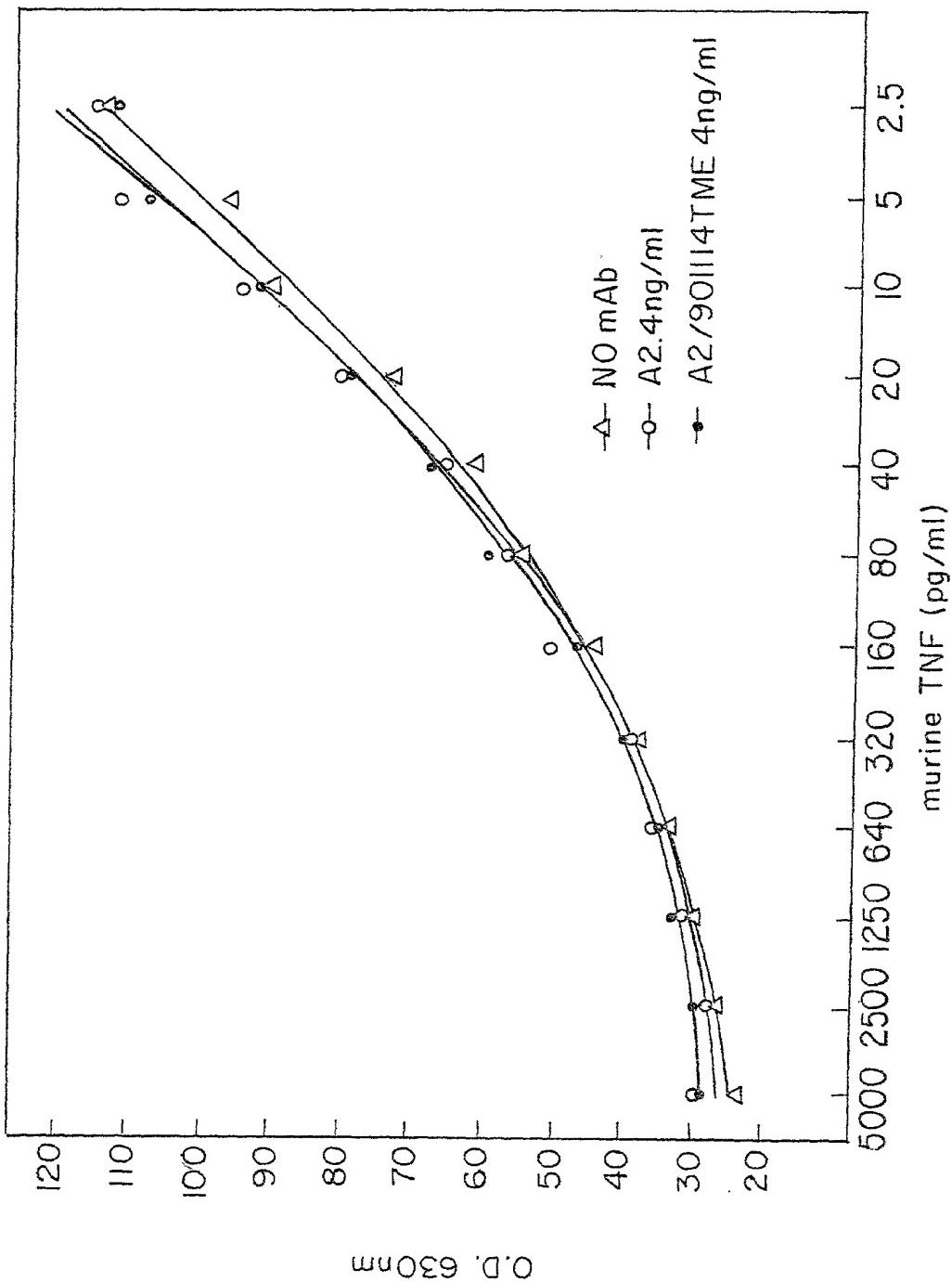


FIG. 5

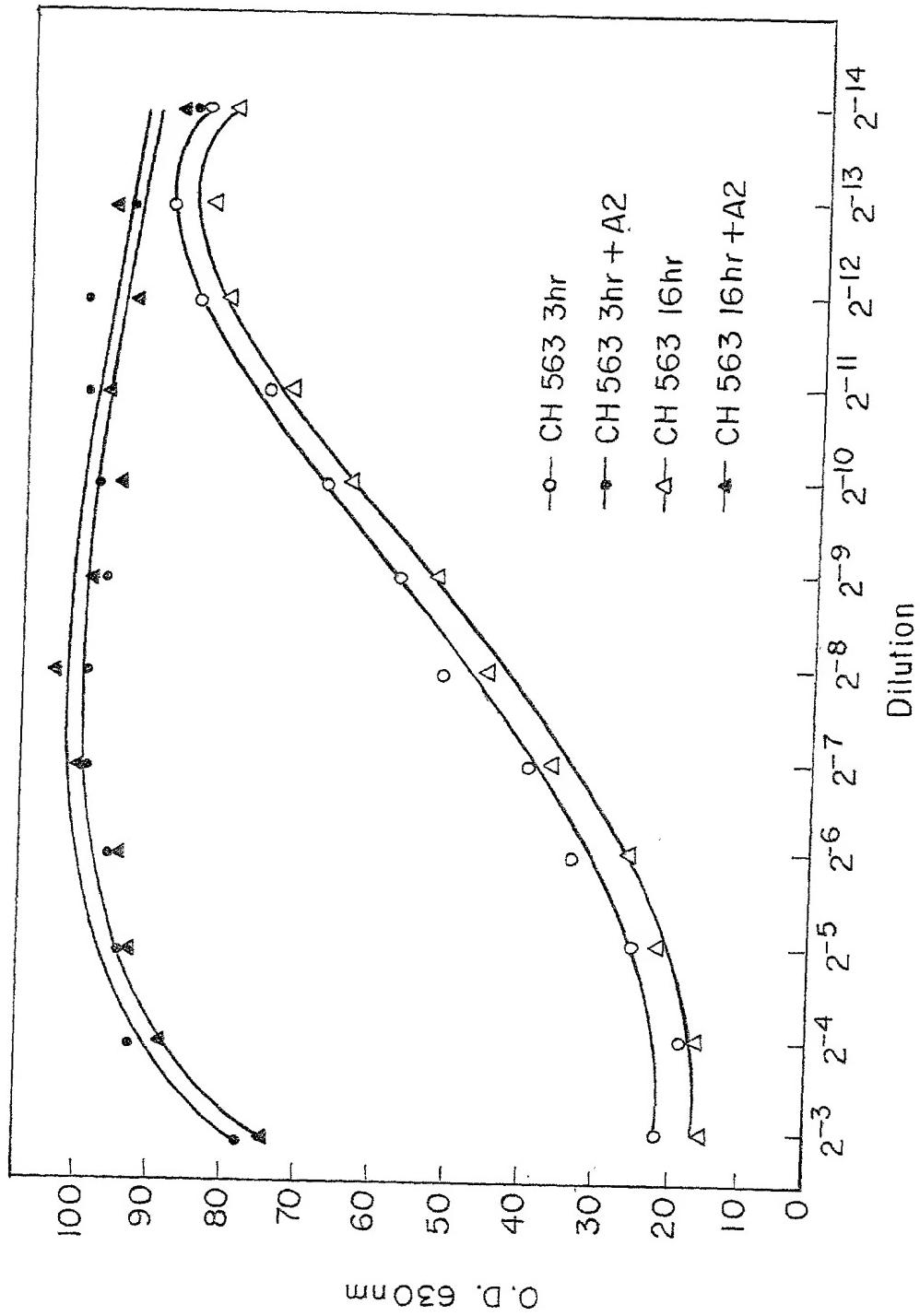


FIG. 6

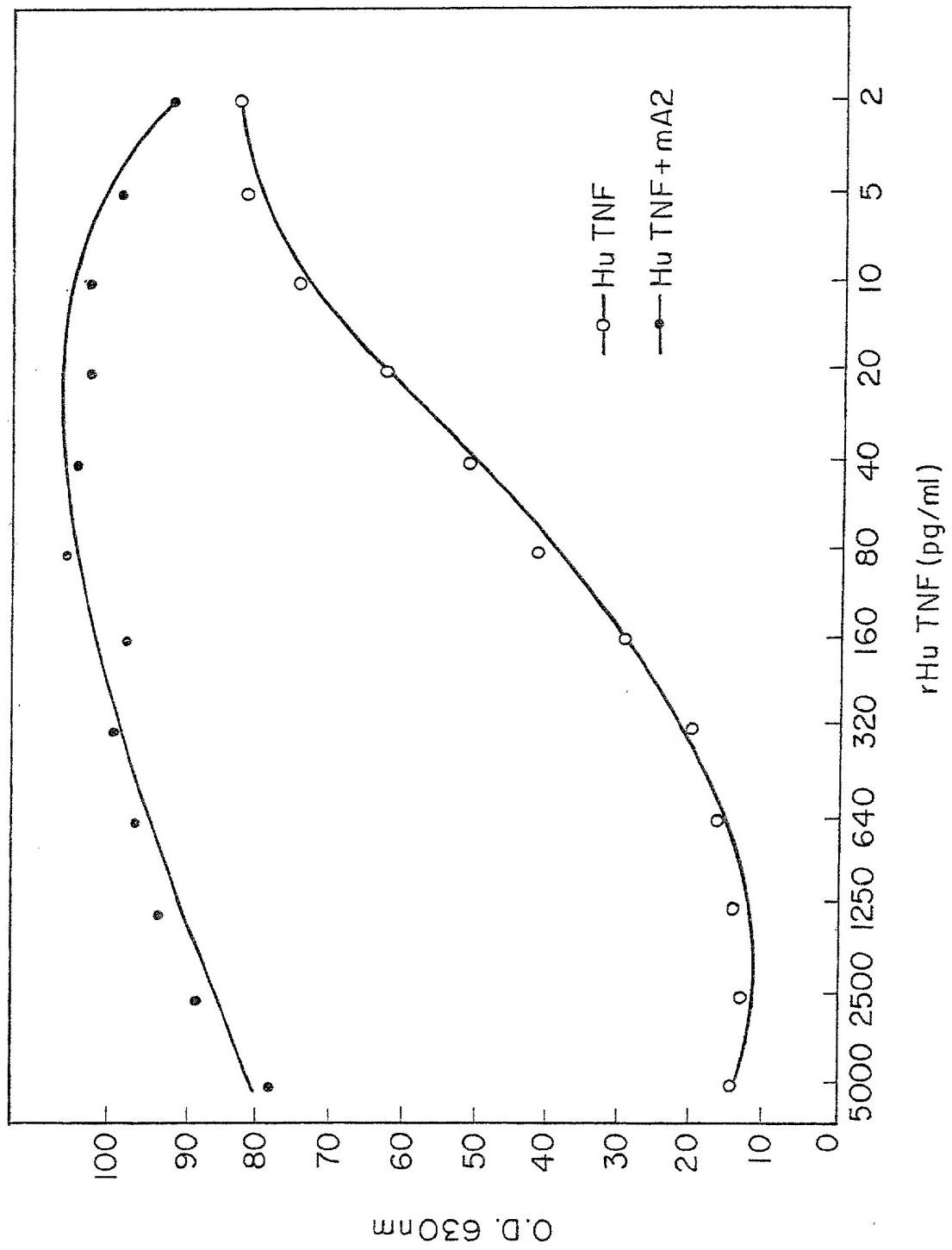


FIG. 7

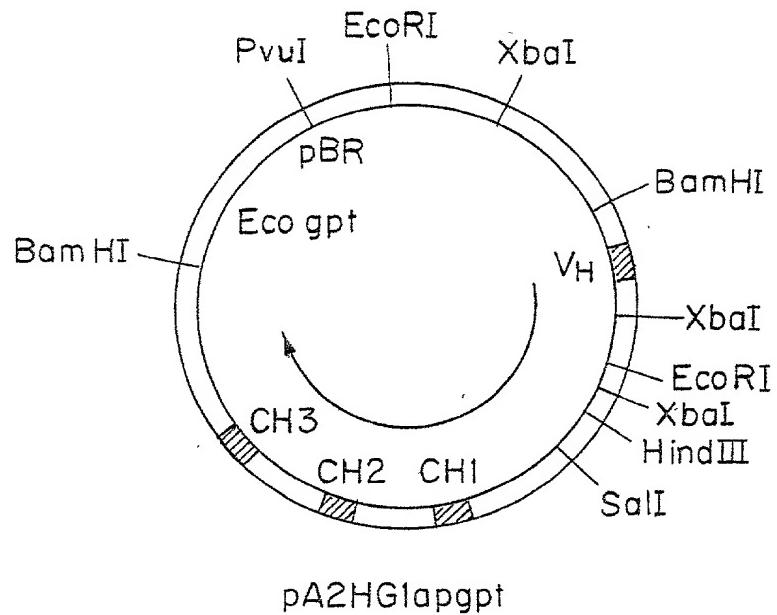


FIG. 8A

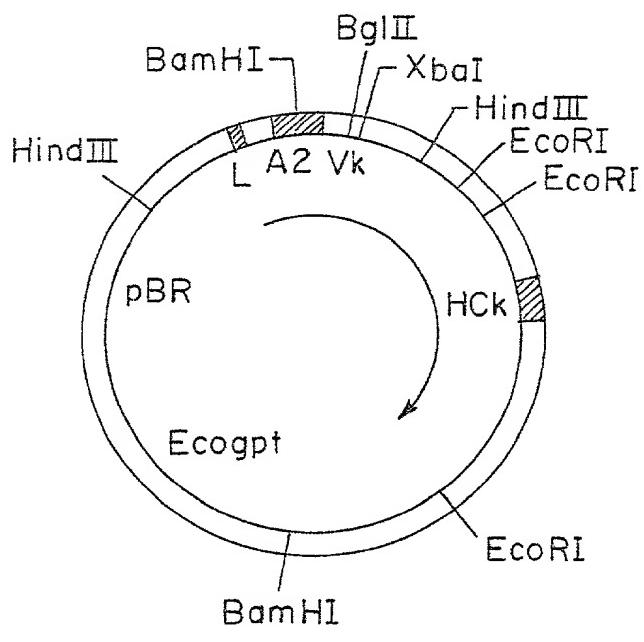


FIG. 8B

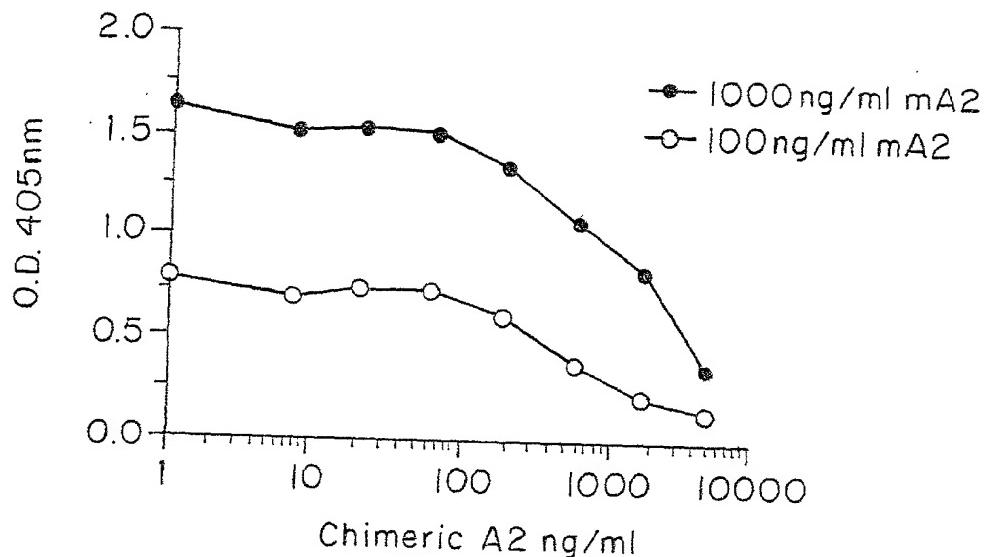


FIG. 9A

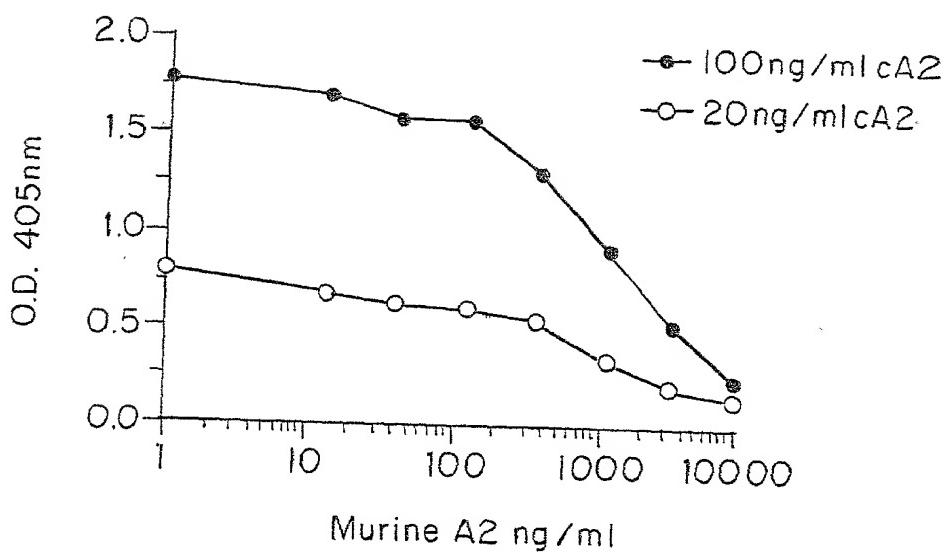


FIG. 9B

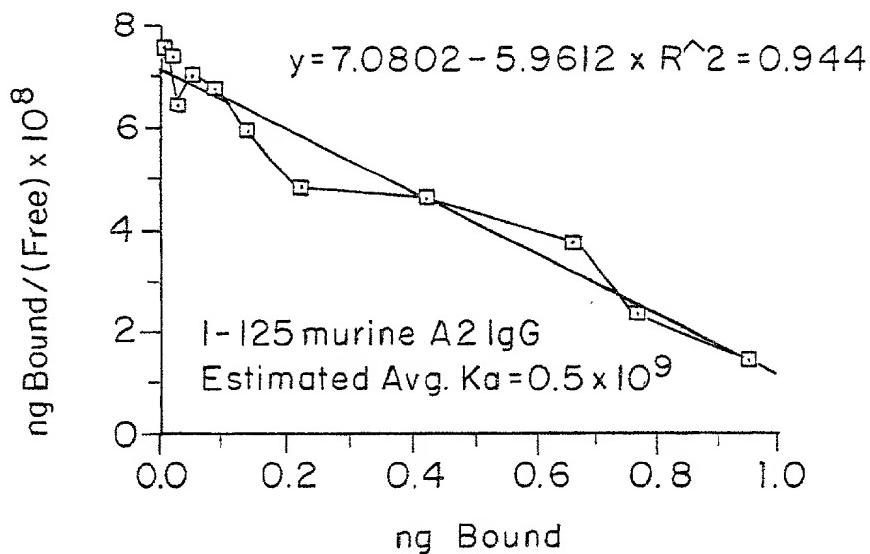


FIG. 10A

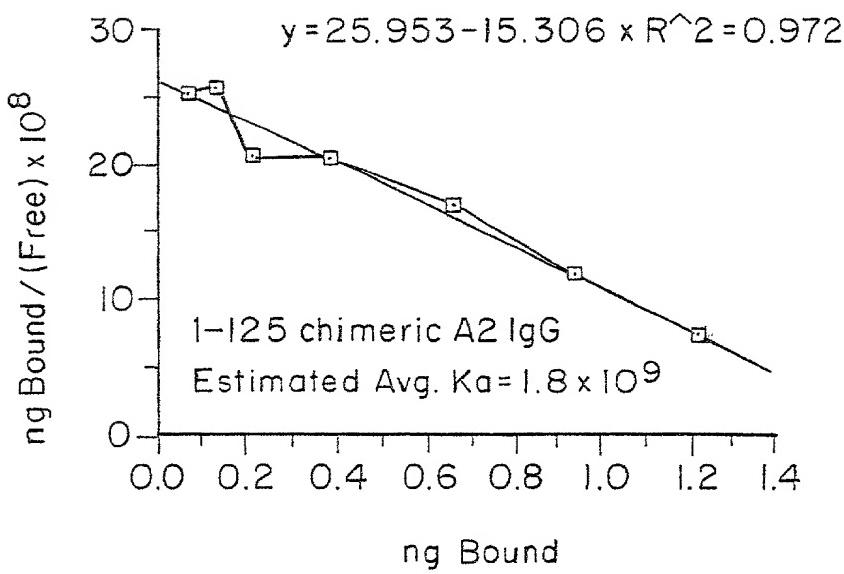


FIG. 10B

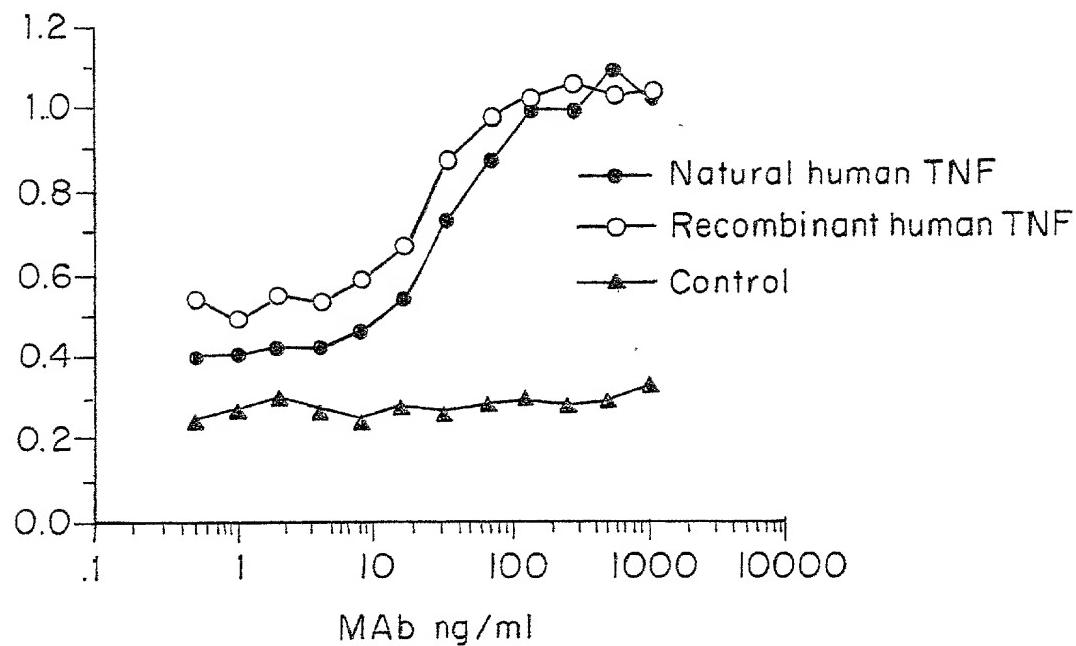


FIG. 11

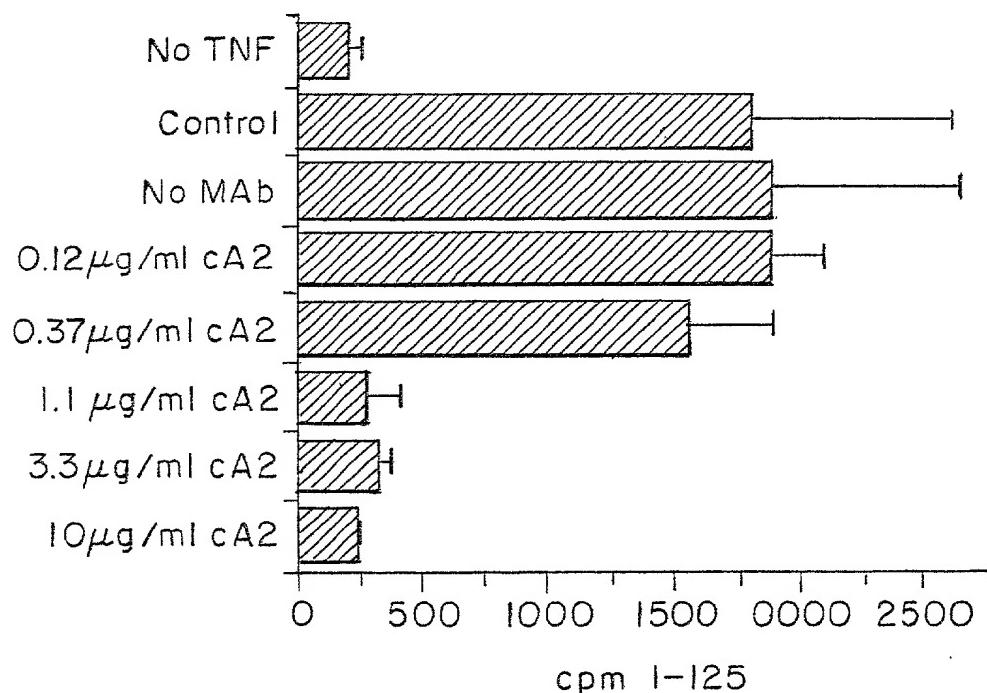


FIG. 12

Docket No.: 0975.1005-010  
Title: Anti-TNF Antibodies and Peptides...  
Inventors: Junming Le, et al.

1 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro  
21 Gln Ala Glu GLY Gln Leu Glu Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu Ala Asn GLY  
41 Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu GLY Ile Tyr Leu Ile Tyr Ser  
61 Gln Val Leu Phe Lys GLY Gln GLY CYS Pro Ser Thr His Val Leu Leu Thr His Thr Ile  
81 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro  
101 Cys Gln Arg Glu Thr Pro Glu GLY Ala Glu Ala Lys Pro Trp Tyr Glu Pro Ile Tyr Leu  
121 GLY GLY Val Phe Gln Leu Glu Lys GLY Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp  
141 Tyr Leu Asp Phe Ala Glu Ser Gly Gln Val Tyr Phe GLY Ile Ile Ala Leu

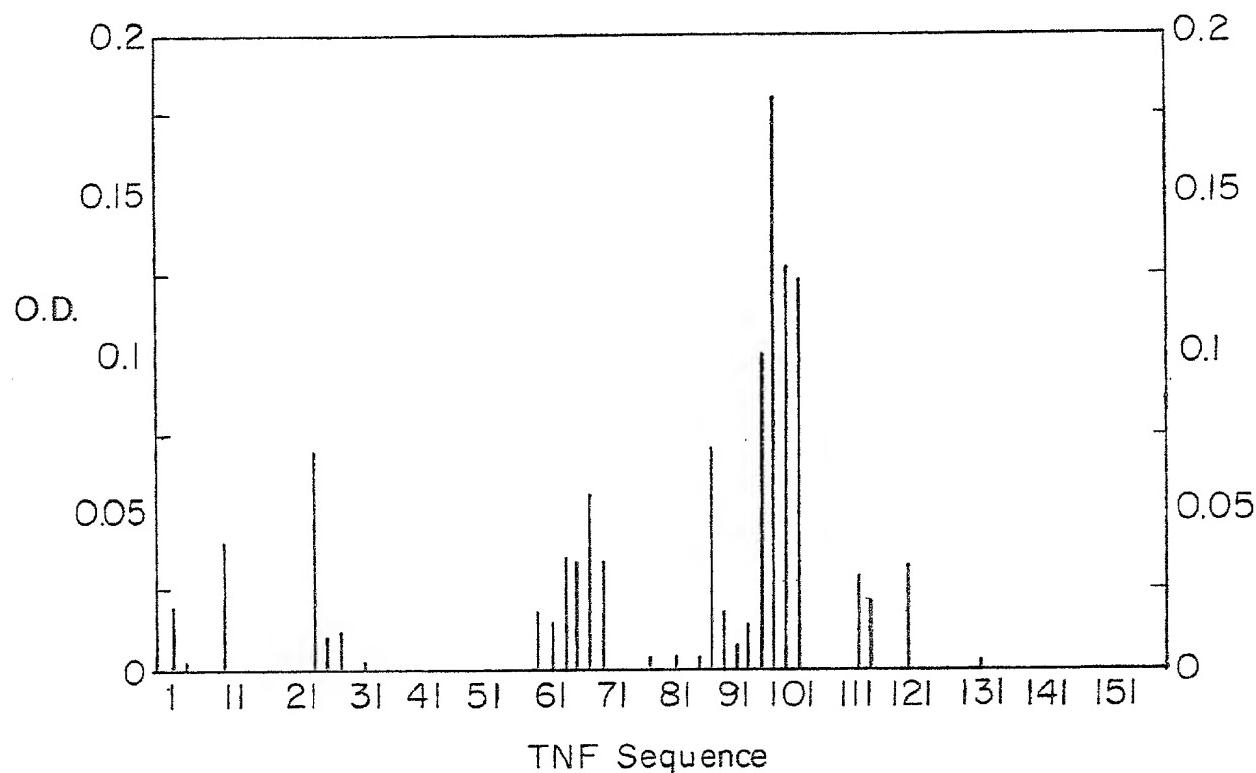


FIG. 14A

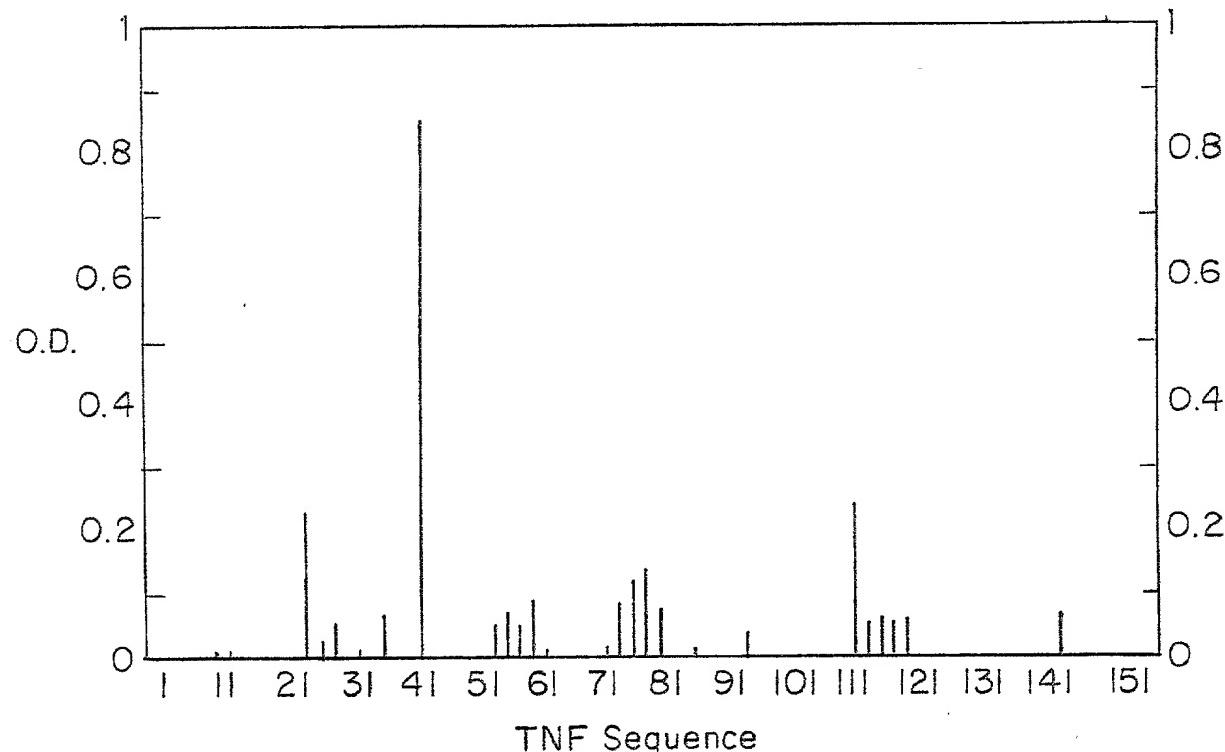


FIG. 14B

Docket No.: 0975.1005-010  
Title: Anti-TNF Antibodies and Peptides...  
Inventors: Junming Le, *et al.*

1 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro  
10

21 Gln Ala Glu Gly Gln Leu Glu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu Ala Asn GLY  
30

41 Val Glu Leu Arg Asp Asn Gln Leu Val Val pro Ser Glu Gly Leu Tyr Ile Ile [Tyr Ser  
50

61 Gln Val Leu Phe Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile  
70

81 Ser Arg Ile Ala Val Ser [Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro  
90

101 Cys Gln Arg Glu Thr Pro Glu Gly [Ala Glu Ala Lys Pro Trp Tyr Glu Pro Ile Tyr Leu  
110

121 Gly Gly Val Phe Gln Leu Glu Lys GLY Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp  
130

141 Tyr Ile Asp Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu  
150

GACATCTTGCCTGACTCAGTCCTCCAGCCATCCTGTGAGTCCAGGAGAAAGAGTCAGT  
AspIleLeuLeuThrGlnSerProAlaIleLeuSerValSerProGlyGluArgValSer

TTCCTCCCTGGGCCAAGTCAGTTCTGGCTCAAGCATCCACTGGTATCAGCAAAGAACAA  
PheSerCysArgAlaSerGlnPheValGlySerSerIleHisTrpTyrglninglnArgThr

AATGGTTCTCCAAGGCCTTCATAAAGTATGCTCTGAGTCTATGTCTGGATCCCTTCC  
AsnGlySerProArgLeuLeuIleLysTyrAlaSerGluSerMetSerGlyIleProSer

AGGTTTAGTGGCAGTGGATCAGGGACAGATTACTCTTAGCATCAACACTGTGGAGTCT  
ArgPheSerGlySerGlySerGlyThrAspPheThrLeuSerIleAsnThrValGluSer

GAAGATATTCGAGATTACTGTCAAGAAAGTCATAGCTGGCCATTACGTTCGGCTCG  
GluAspIleAlaAsp'TyrTyrCysGlnGlnSerHisSerTrpProPheThrPheGlySer

GGGACAAATTGGAAGTAAA  
GlyThrAsnLeuGluValLys

FIG. 16A

GAAGTGAAGCTTGAGGAGTCTGGAGGGCTTGGTGCACCTGGAGGGATCCATGAAACTC  
GluValLysLeuGluGluSerGlyGlyLeuValGlnProGlyGlySerMetLysLeu  
TCCTGTGTTGCCTCTGGATTCAATTTCAGTAACCCTGGATGAACTGGGTCCGCCAGTCT  
SerCysValAlaSerGlyPheIlePheSerAsnHisTrpMetAsnTrpValArgGlnSer  
CCAGAGAAGGGGCTTGAGTGGGTGCTGAATTAGATCAAATCTTAAATTCTGCAACA  
ProGluLysGlyLeuGluTrpValAlaGluIleArgSerLysSerIleAsnSerAlaThr  
CATTATGGGAGTCTGGTGAAGGGAGGGTCAACCATCTCAAGAGATGATTCCAAAAGTGCT  
HisTyrAlaGluSerValLysGlyArgPheThrIleSerArgAspSerLysSerAla  
GTGTACCTGCAAATGACCGACTTAAGAACACTGGCGTTATTACTGTTCCAGG  
ValTyrLeuGlnMetThrAspLeuArgThrGluAspThrGlyValTyrTyrCysSerArg  
ATTACTACGGTAGTACGACTACTGGGGCCAGGCACCACTCTCACAGTGTCC  
AsnTyrTyrGlySerThrTyrAspTyrTrpGlyGlnGlyThrThrValSer

FIG. 16B

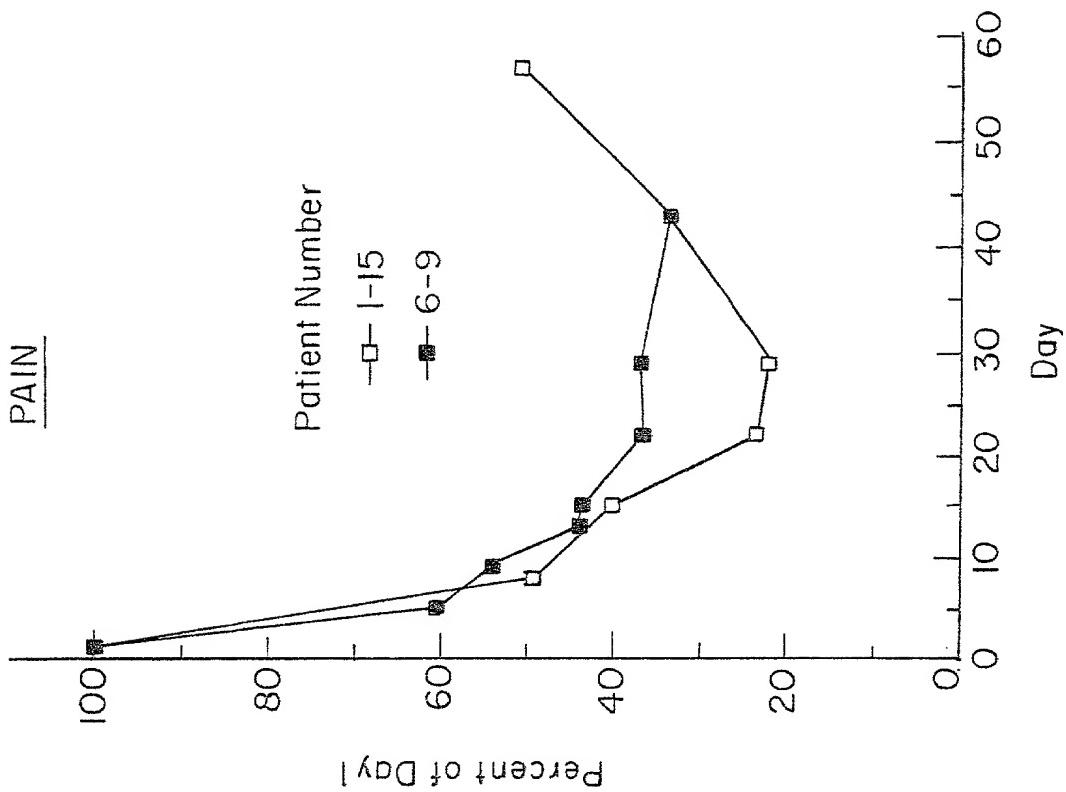


FIG. 18

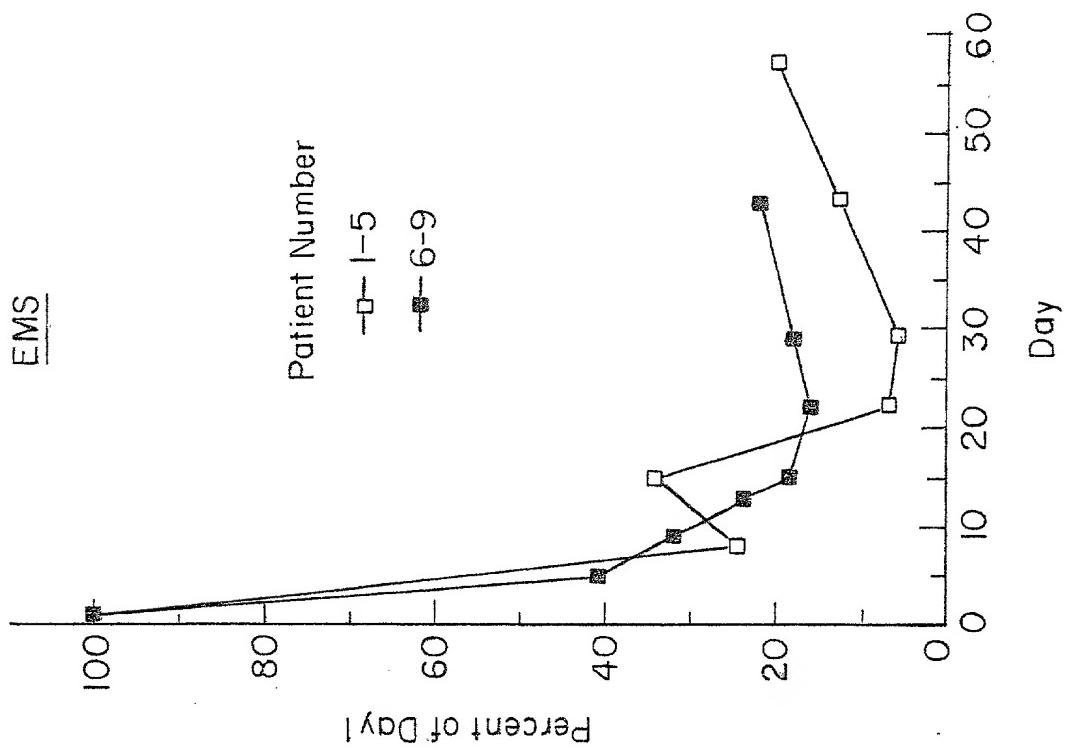


FIG. 17

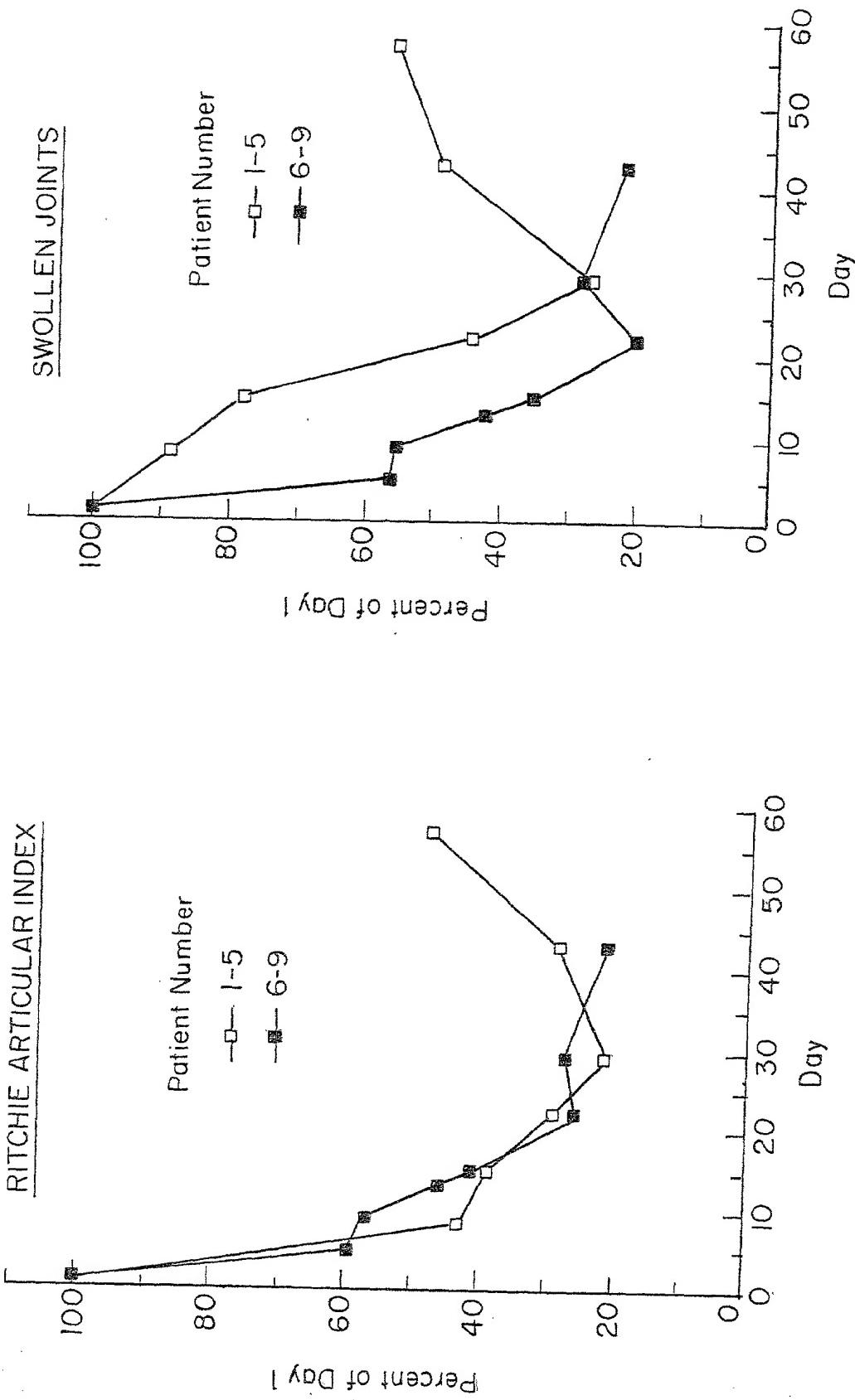


FIG. 20

FIG. 19

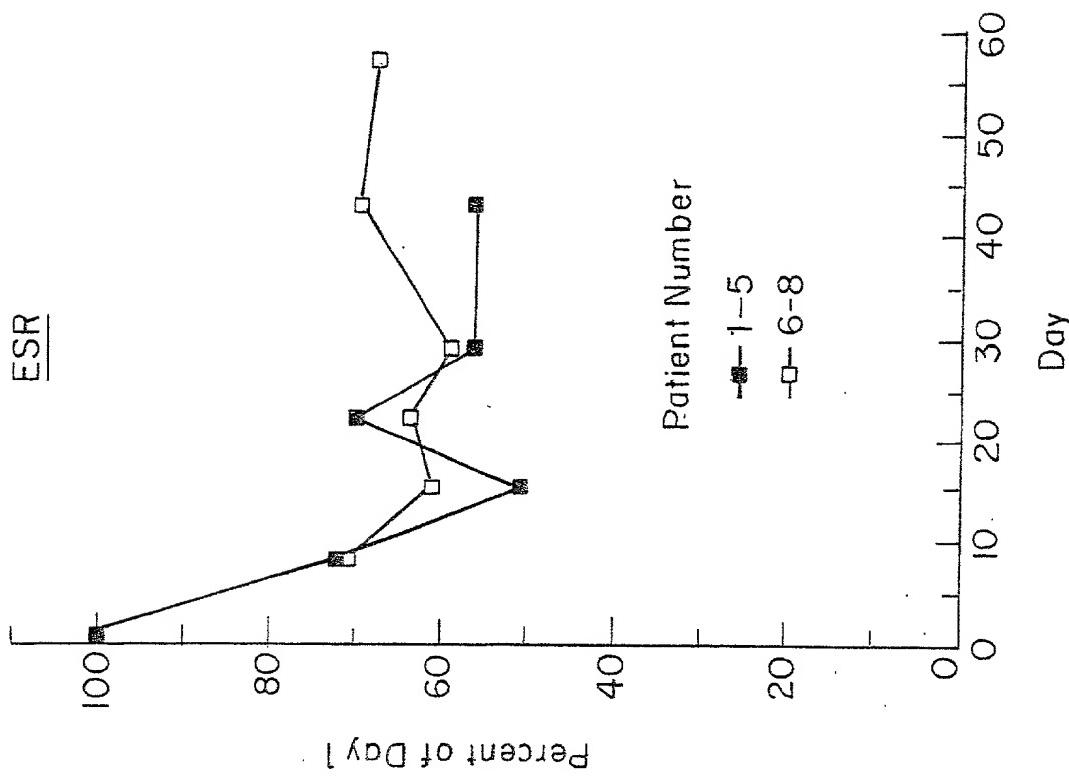


FIG. 22

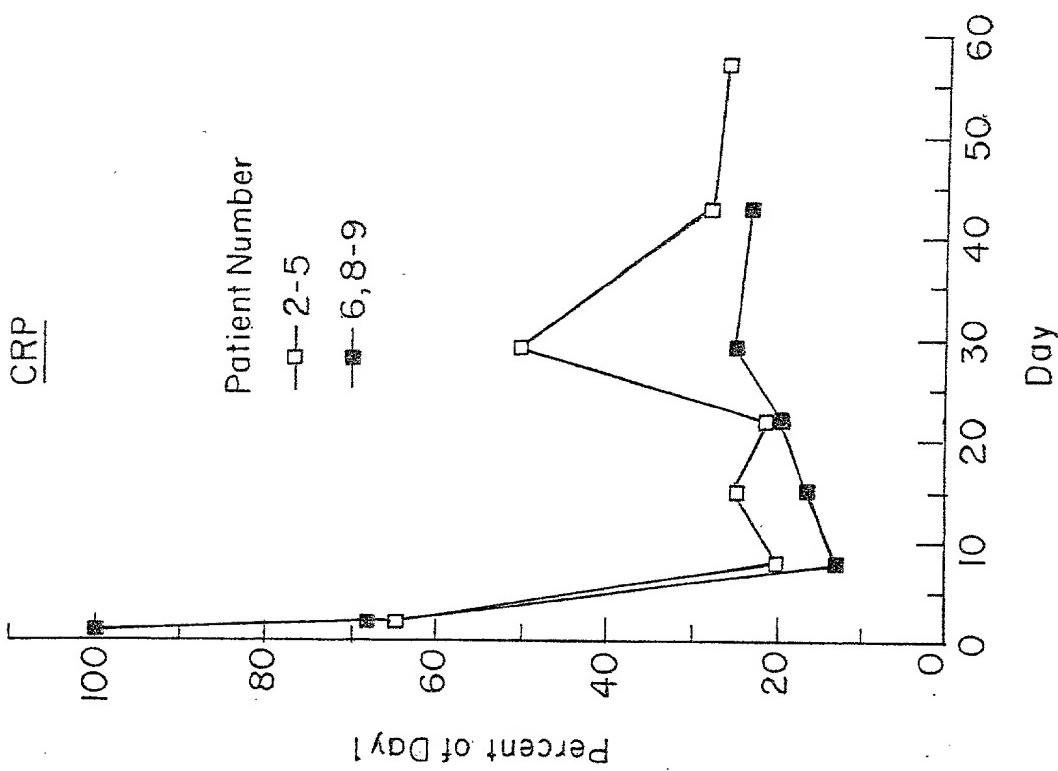


FIG. 21

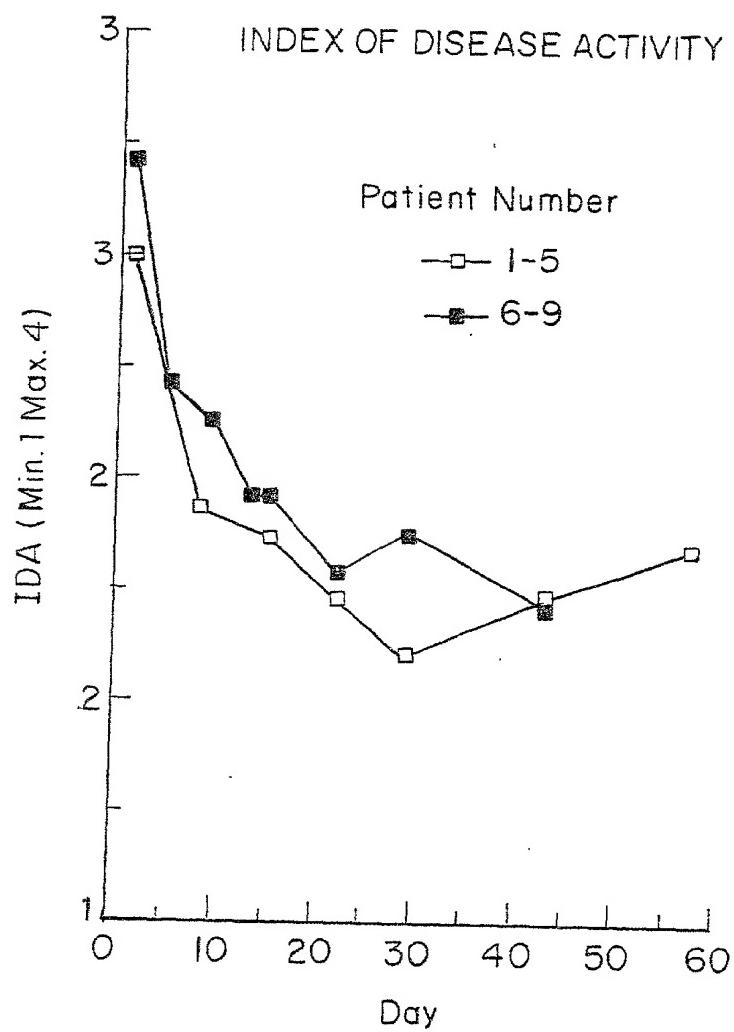


FIG. 23

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U.S. PATENT AND TRADEMARK OFFICE  
JULY 1996

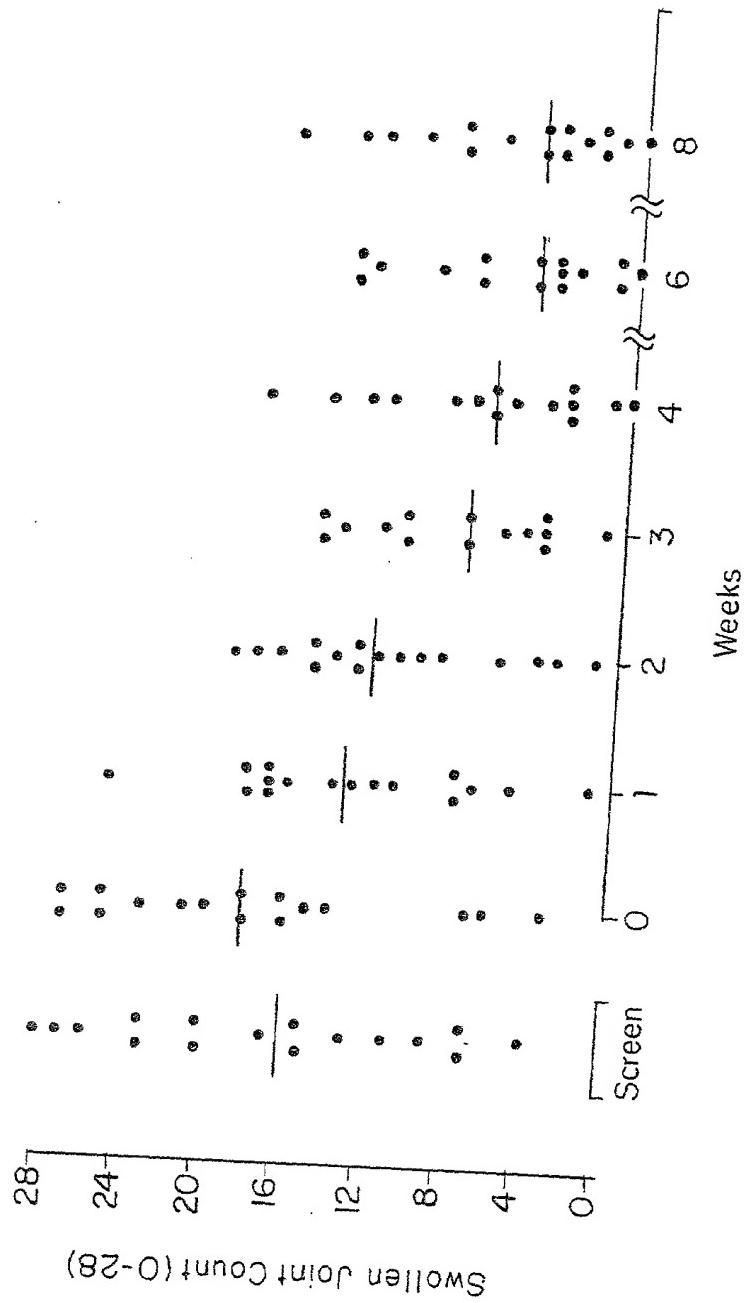


FIG. 24

Docket No.: 0975.1005-010  
Title: Anti-TNF Antibodies and Peptides...  
Inventors: Junming Le, et al.

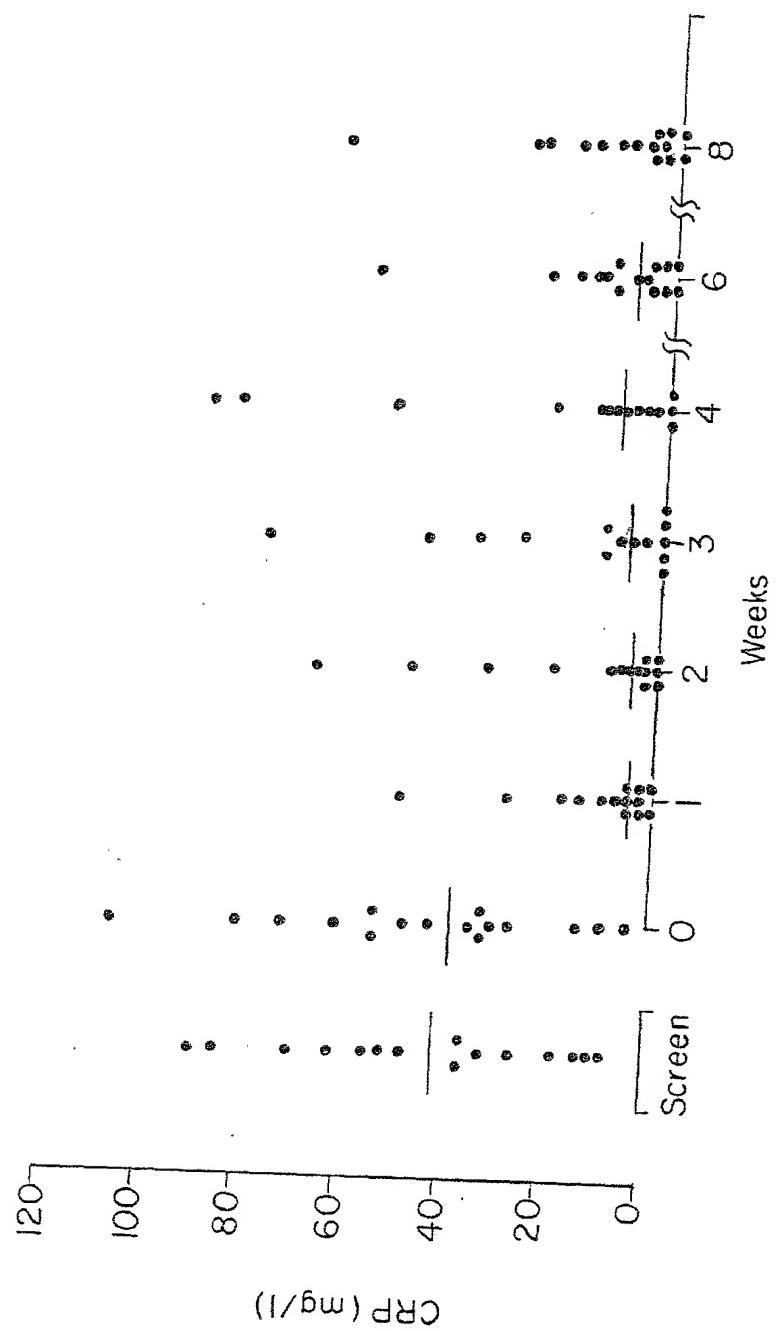


FIG. 25

FIG. 26A

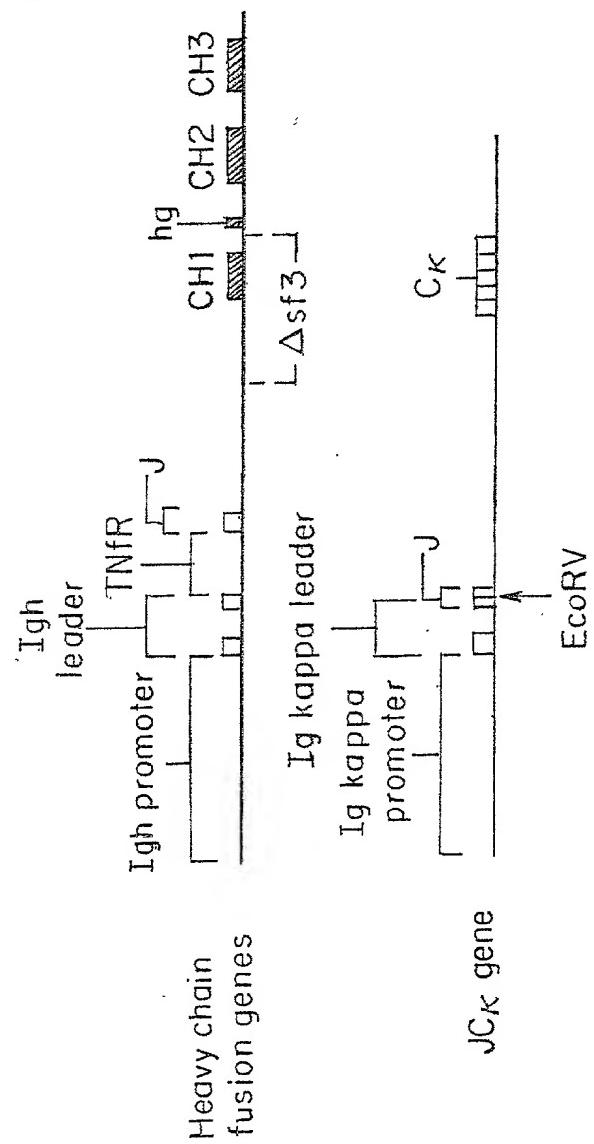


FIG. 26B

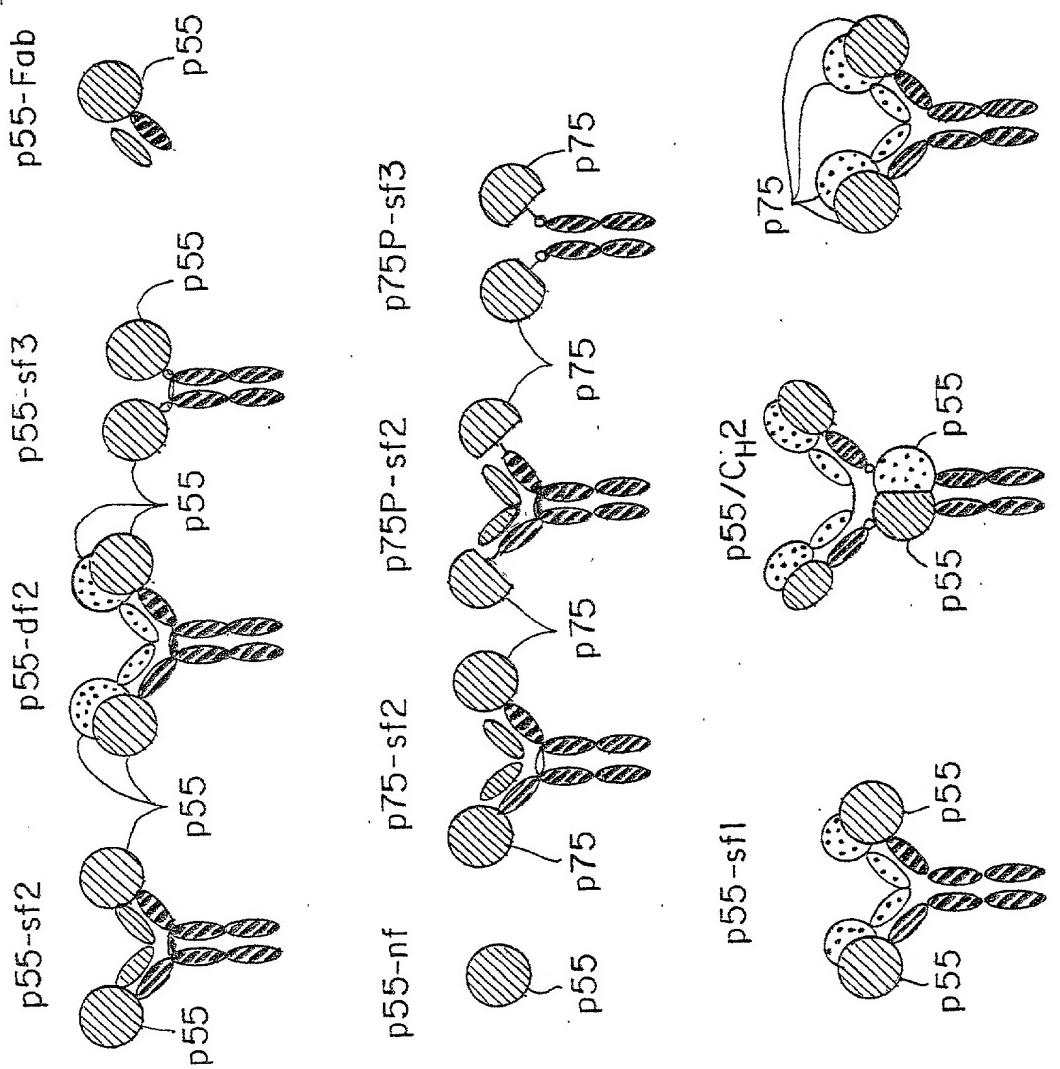
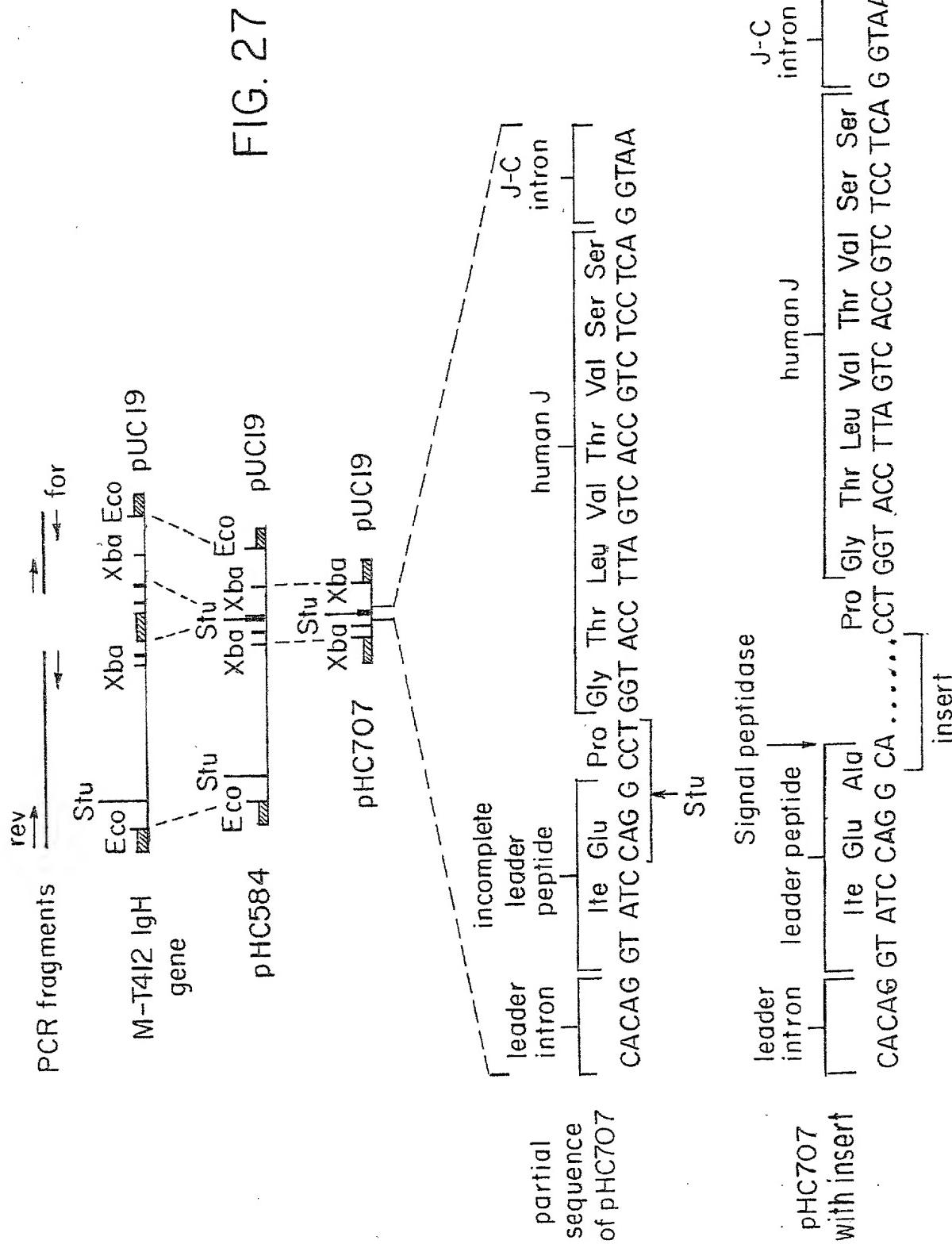


FIG. 27



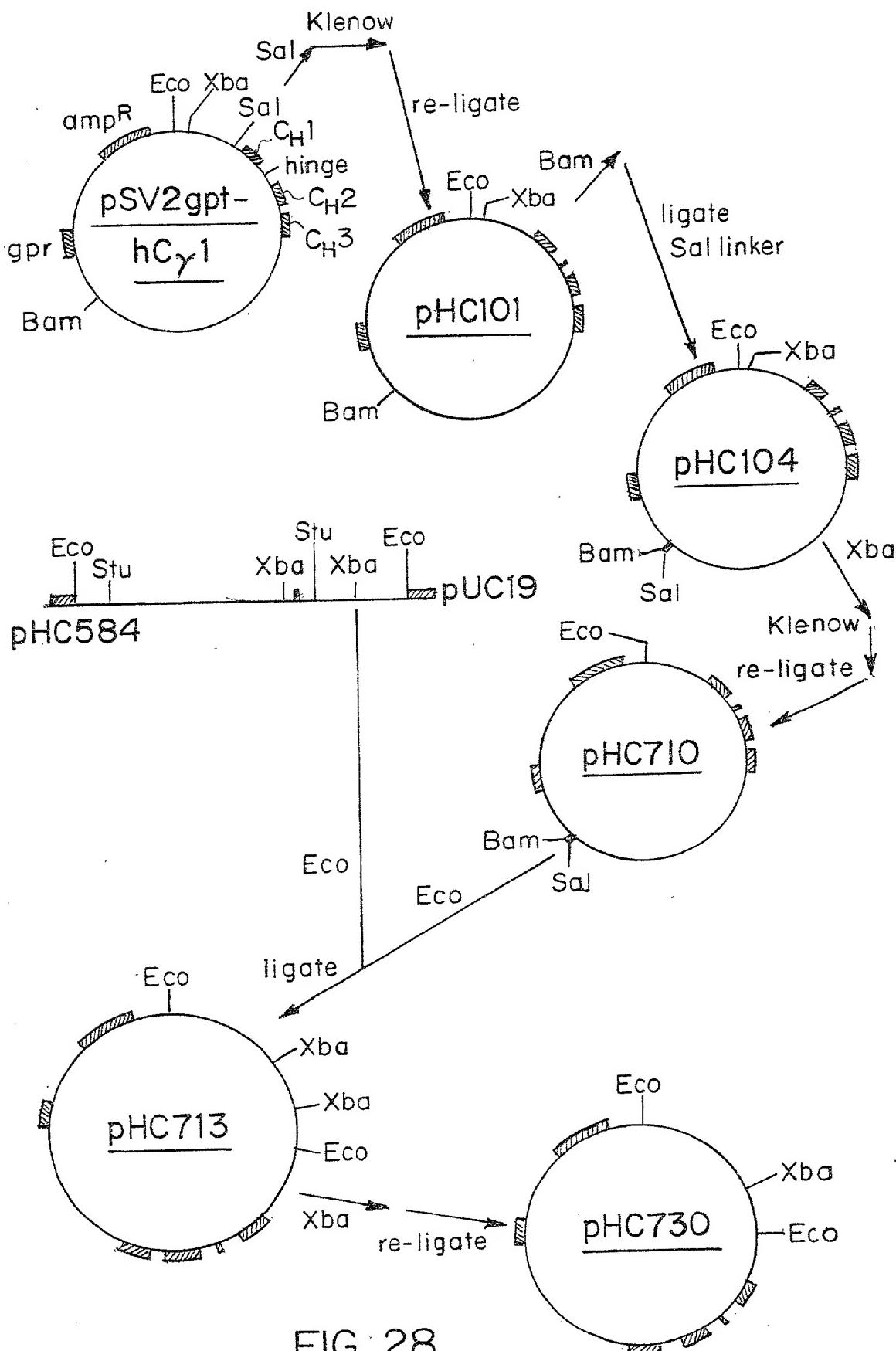


FIG. 28

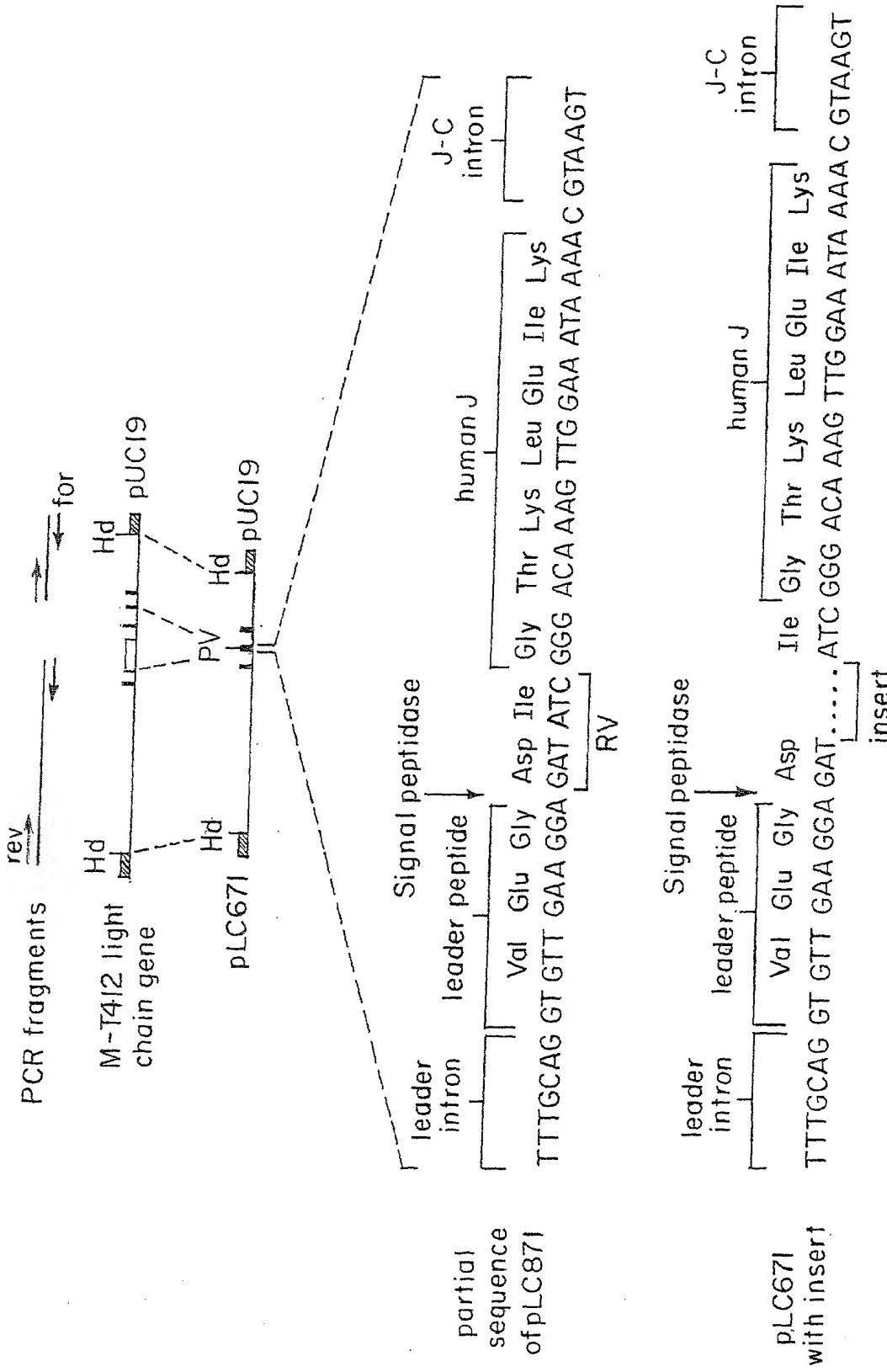


FIG. 29

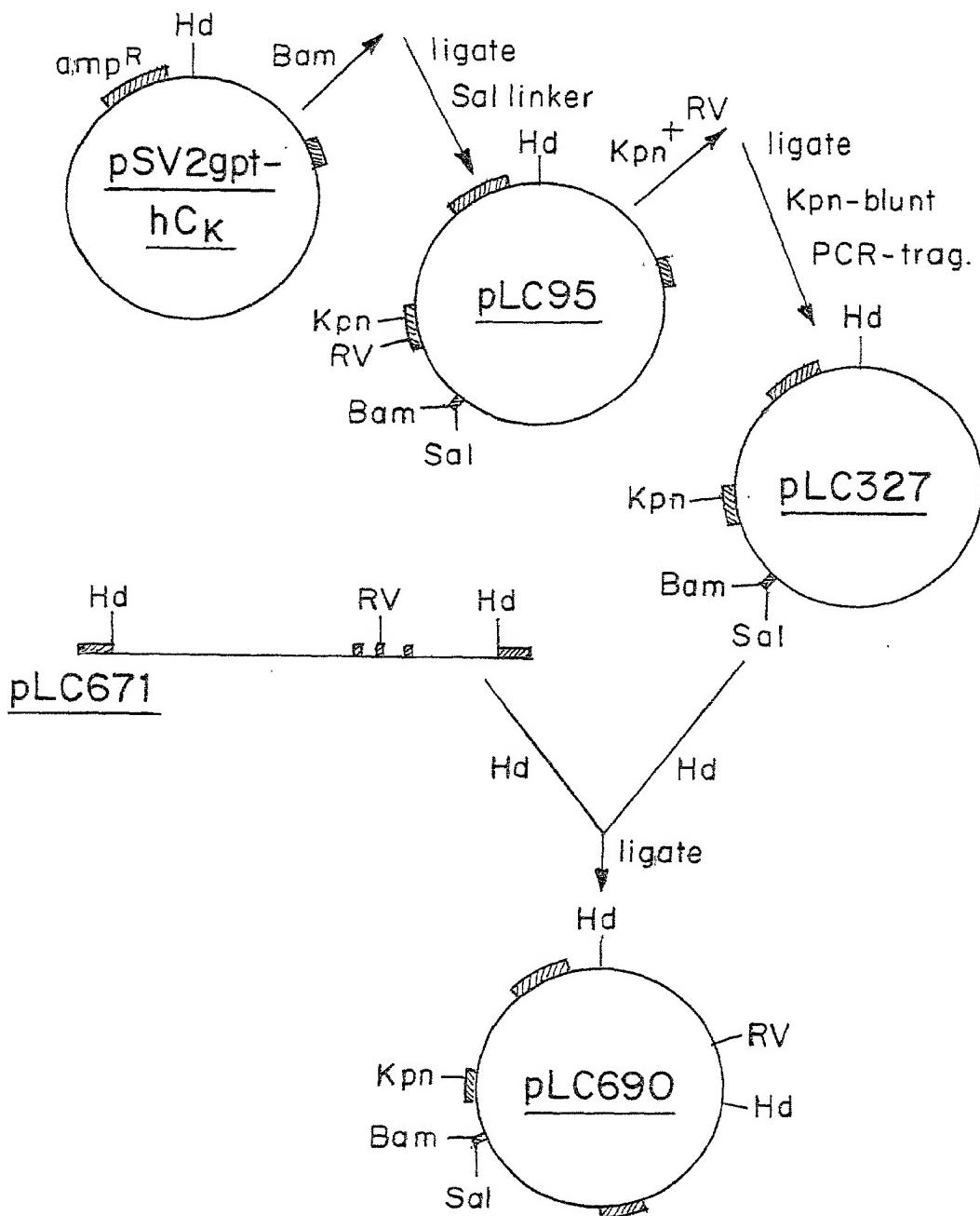


FIG. 30

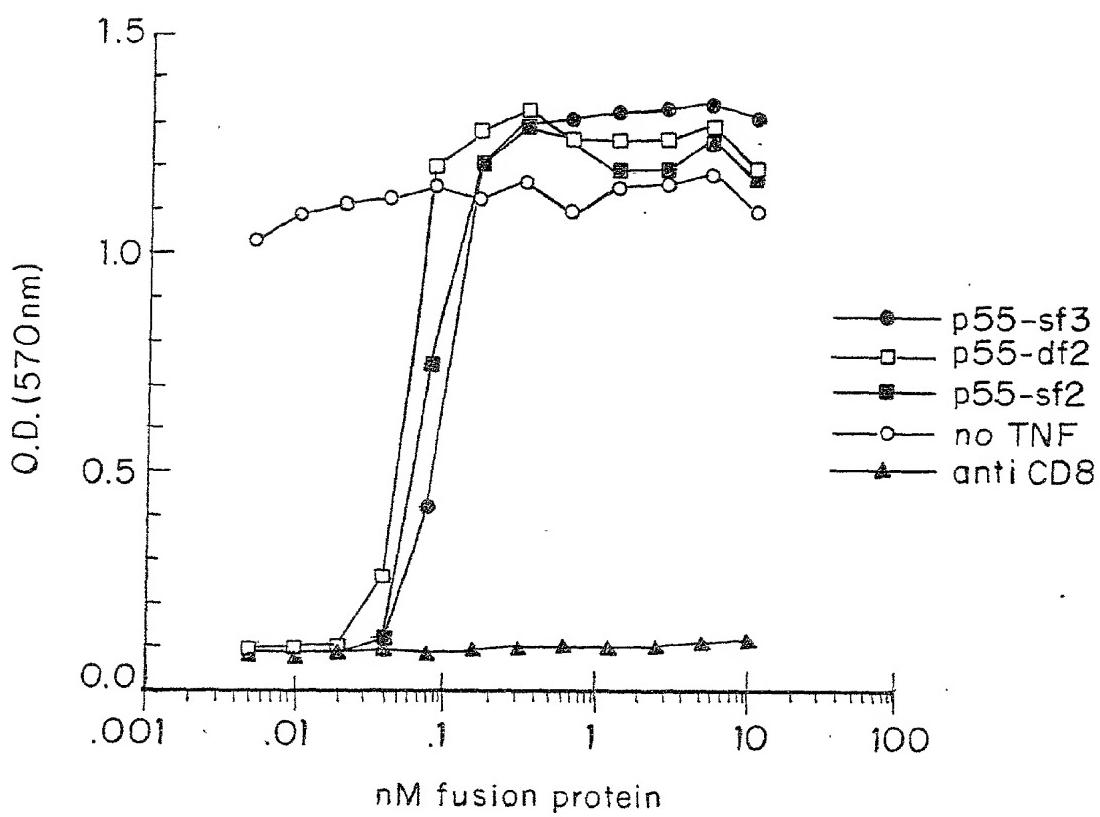


FIG. 31A

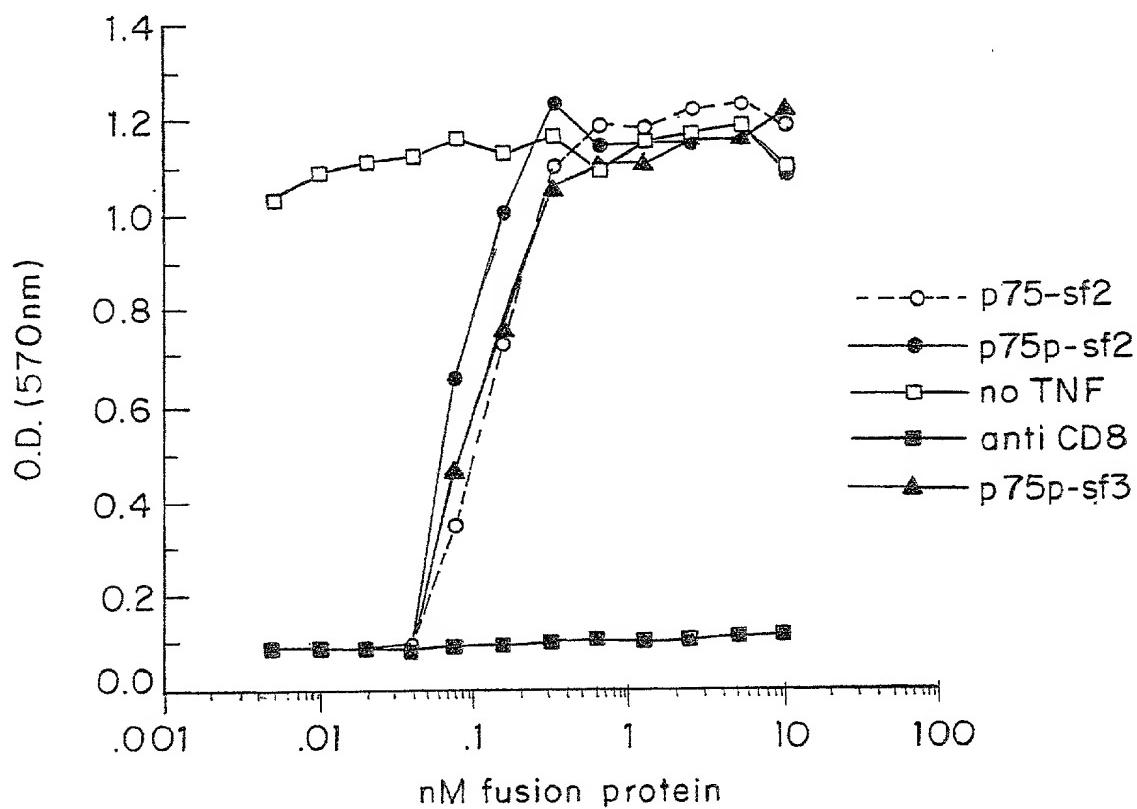


FIG. 3IB

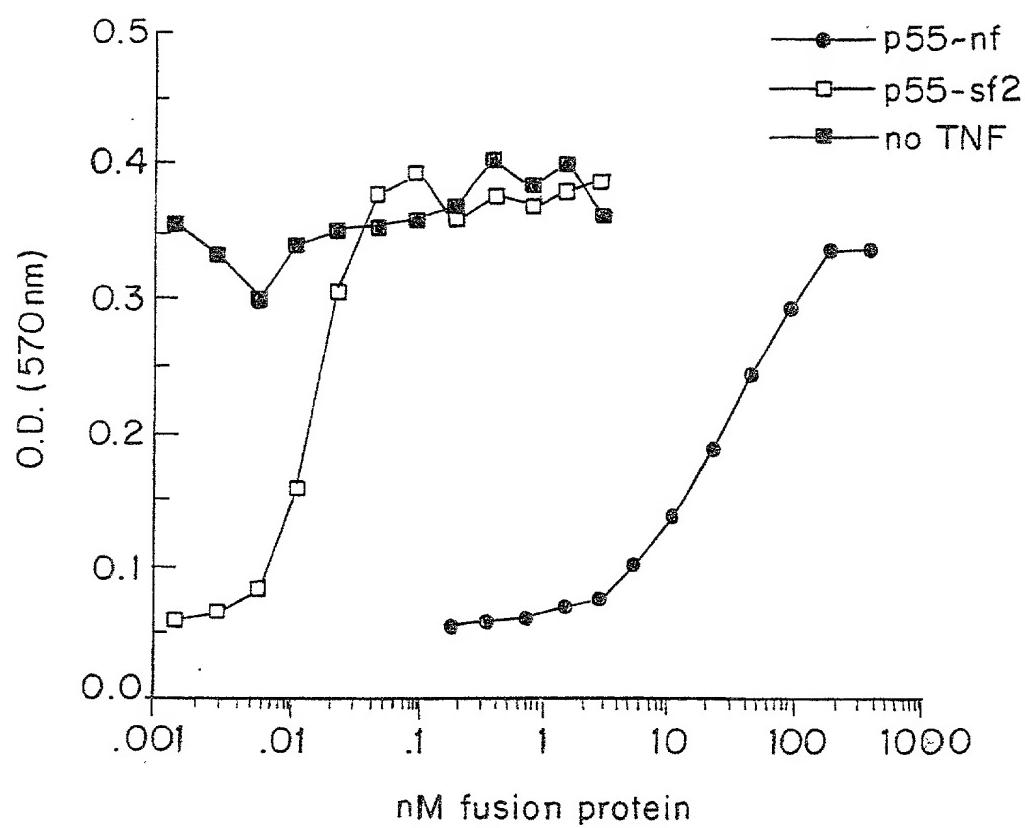


FIG. 31C

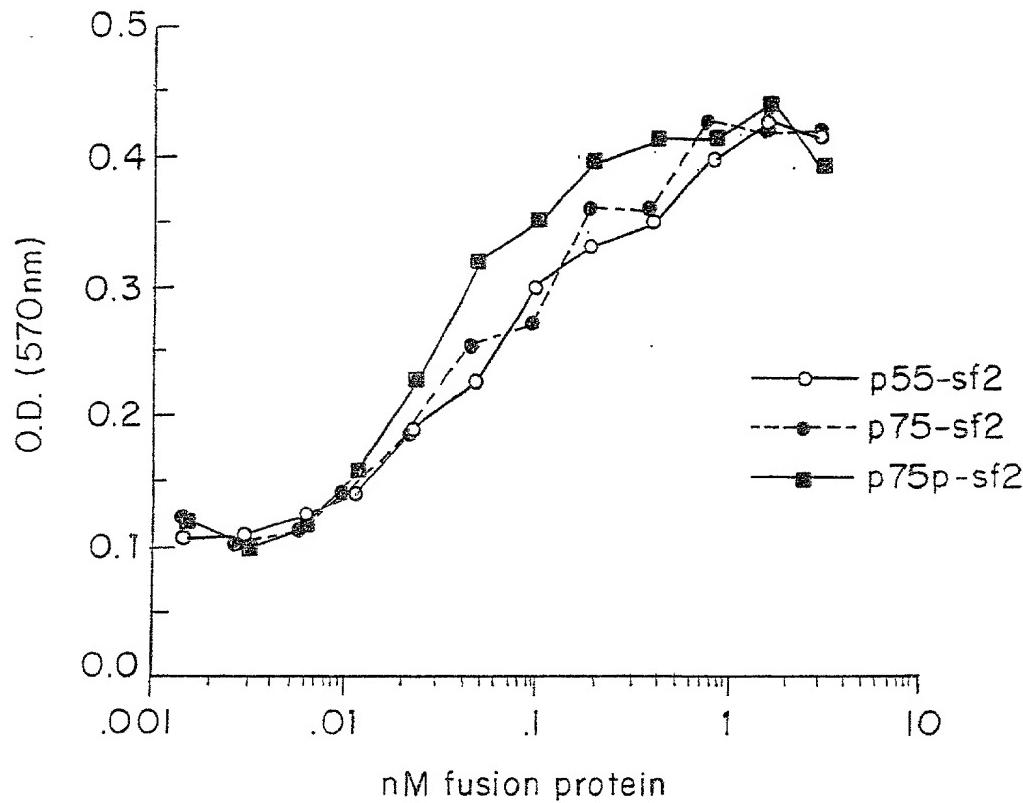


FIG. 32

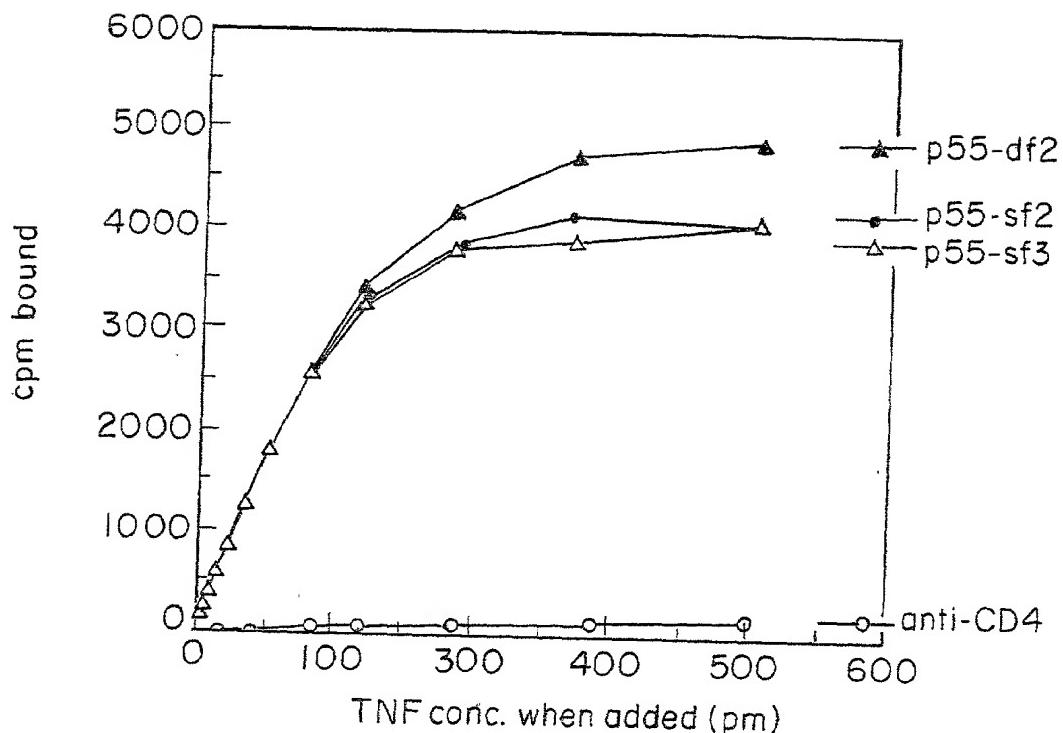


FIG. 33A

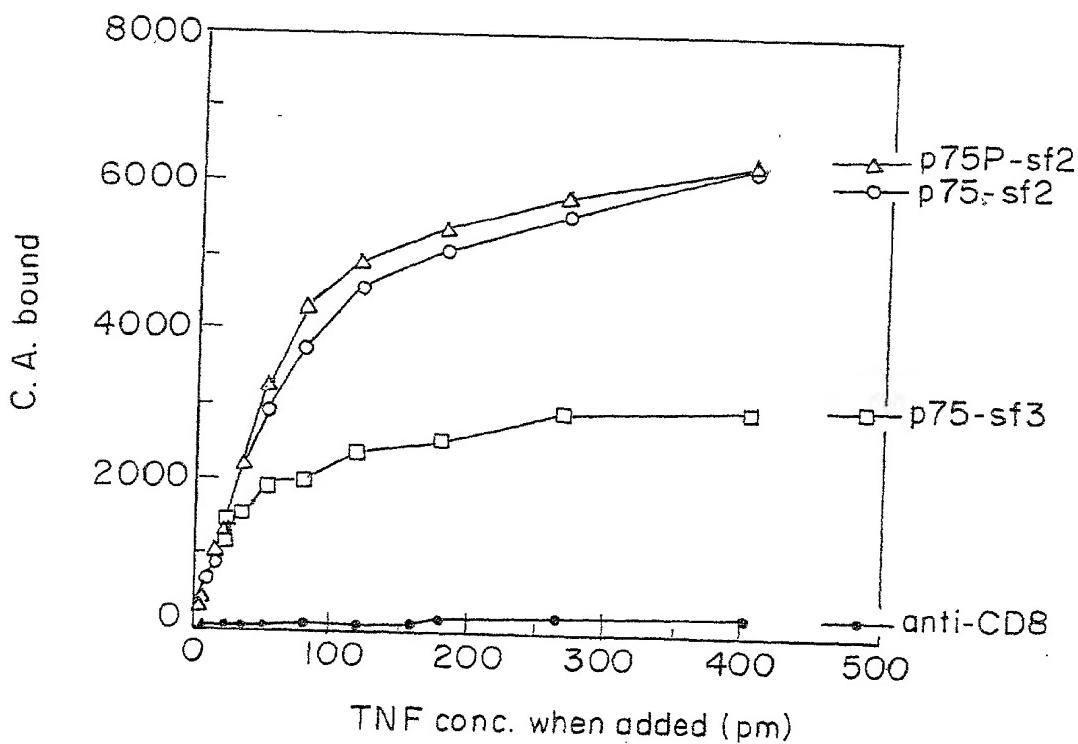


FIG. 33B

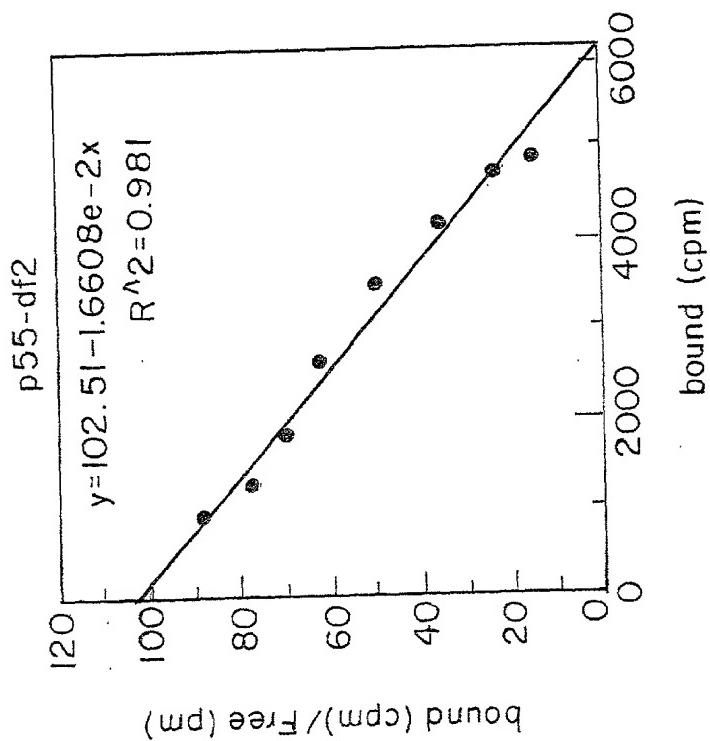


FIG. 33D

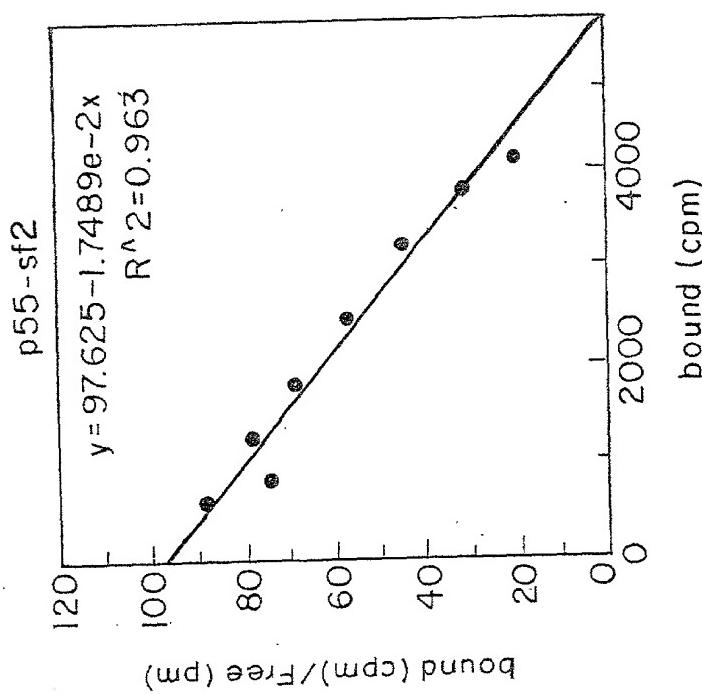


FIG. 33C

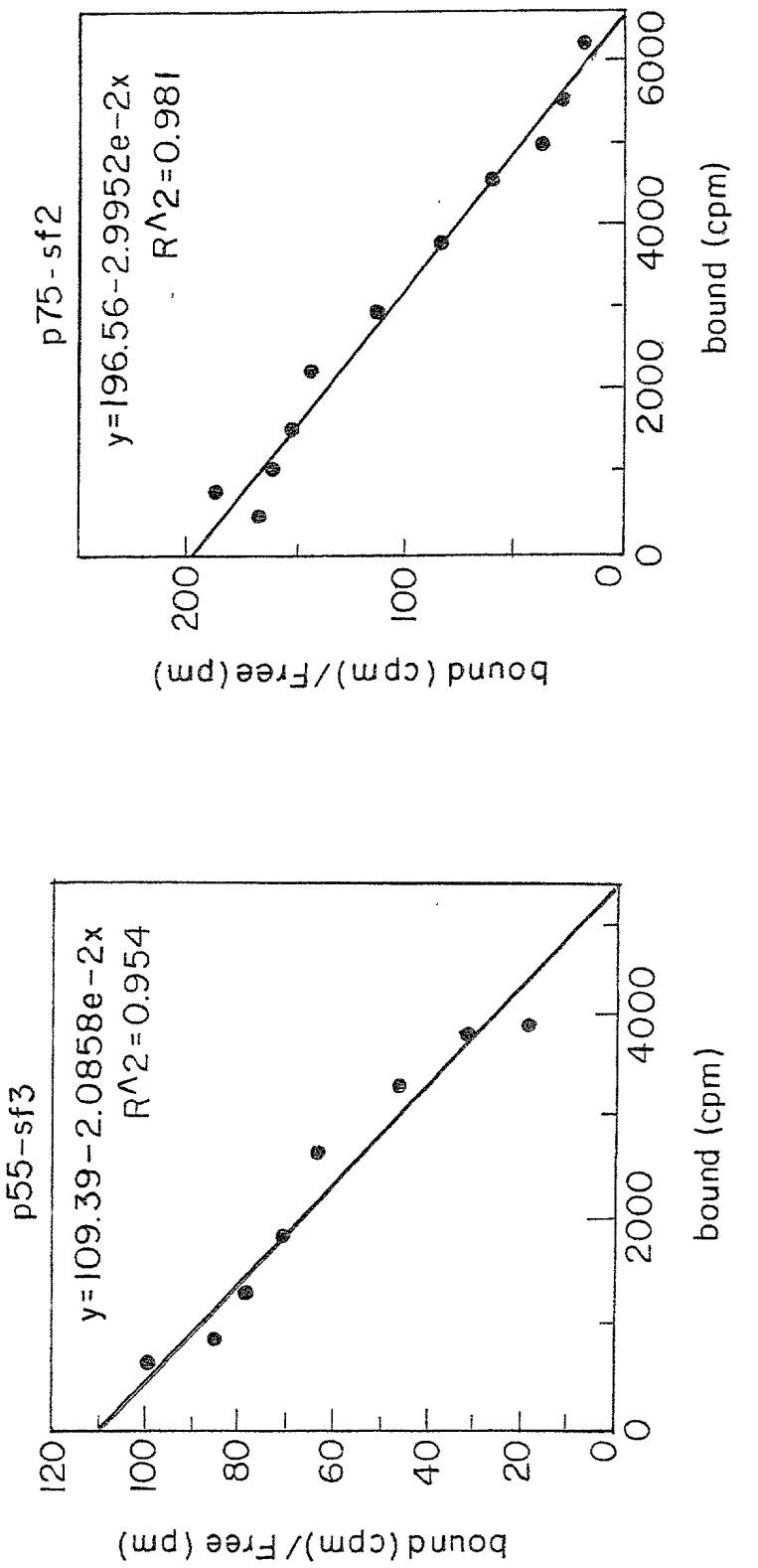


FIG. 33E

FIG. 33F

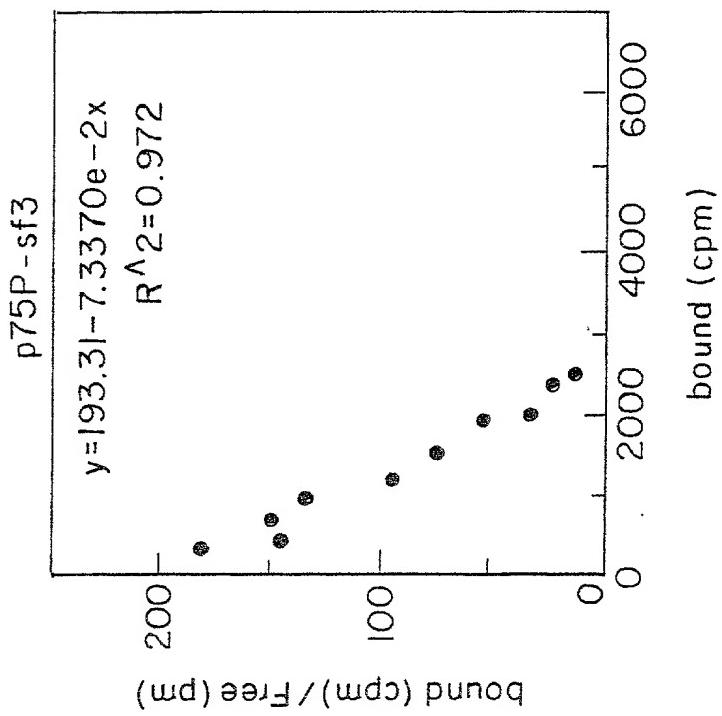


FIG. 33H

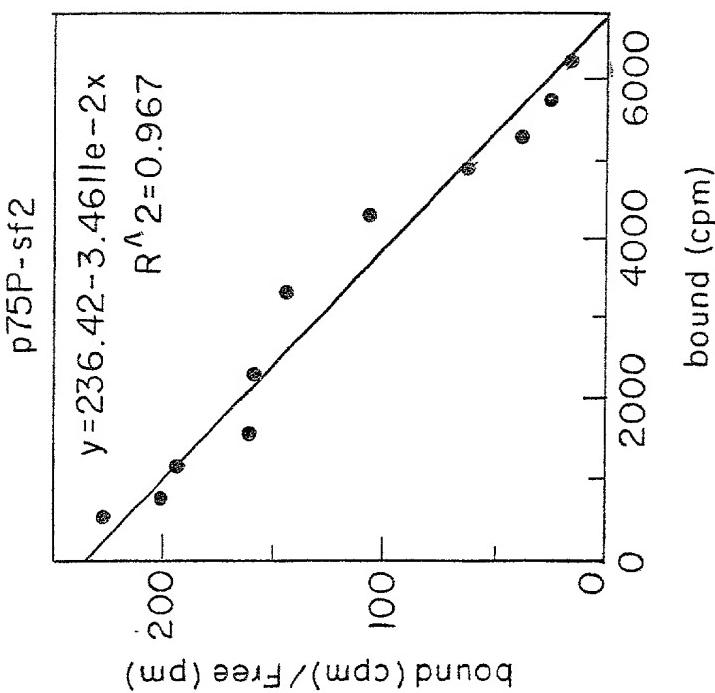
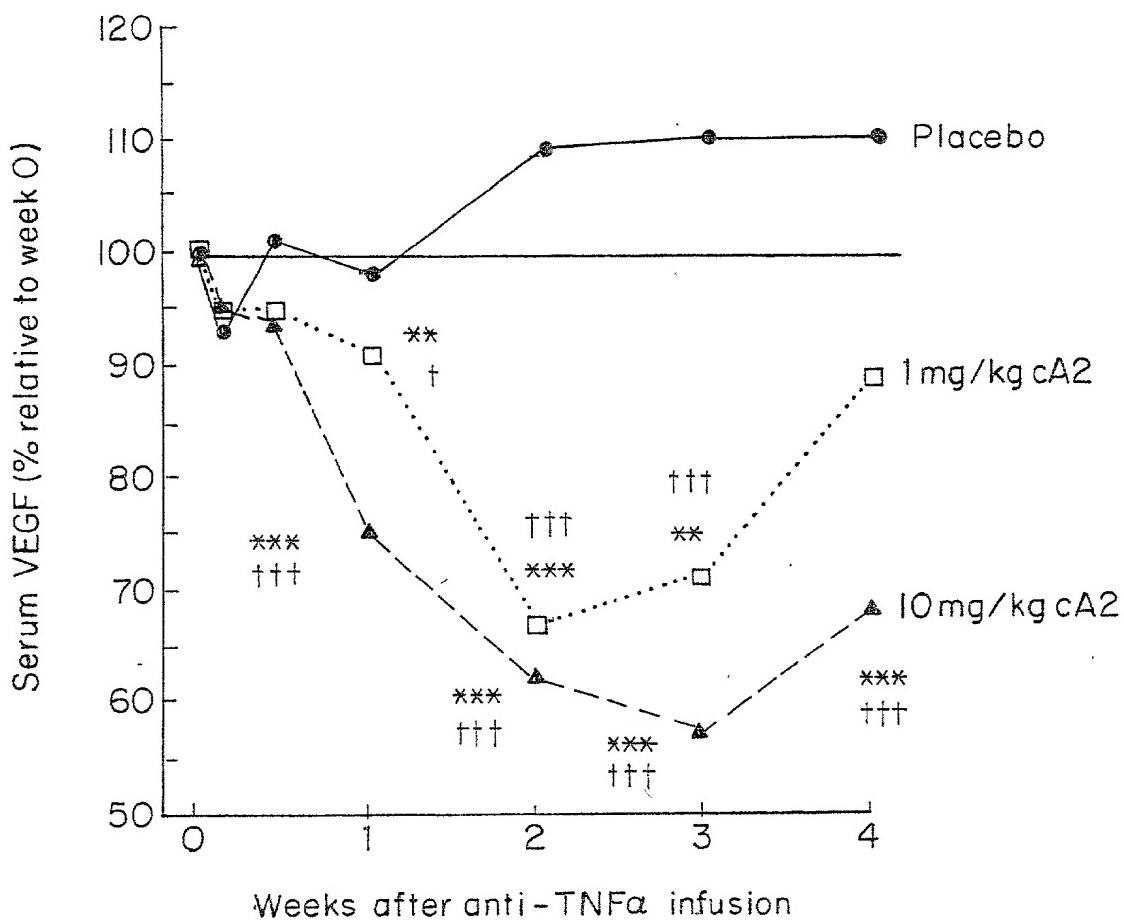


FIG. 33G



\*  $p \leq 0.05$ , \*\*  $p \leq 0.01$ , \*\*\*  $p \leq 0.001$  versus pre-infusion  
†  $p \leq 0.05$ , ††  $p \leq 0.01$ , †††  $p \leq 0.001$  versus change in  
placebo group

FIG. 34